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SIMULATION DEVELOPMENT FOR TARGET ASSESSMENT

Part 2 of 3

J. A. Earickson

Eric H. Wang Civil Engineering Research Facility University of New Mexico Albuquerque, NM 87131

March 1979

Final Report



Approved for public release; distribution unlimited.

AIR FORCE WEAPONS LABORATORY Air Force Systems Command Kirtland Air Force Base, NM 87117



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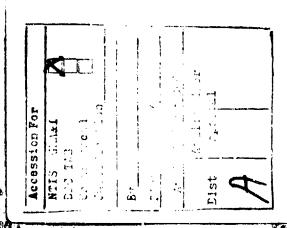
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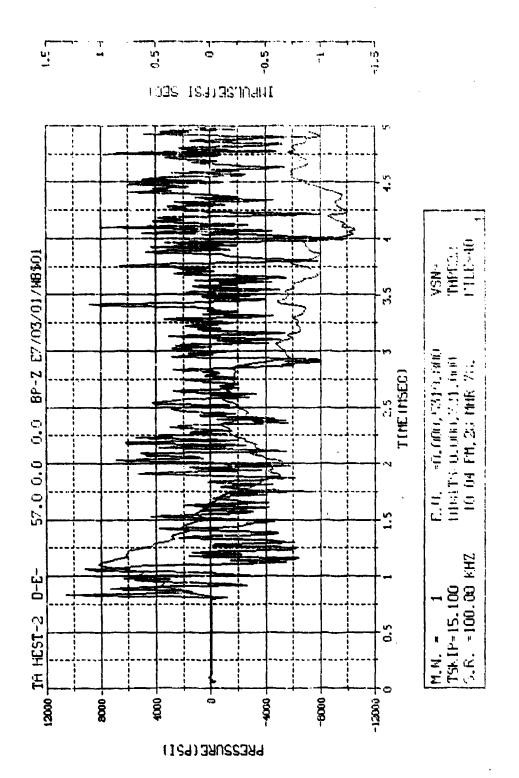


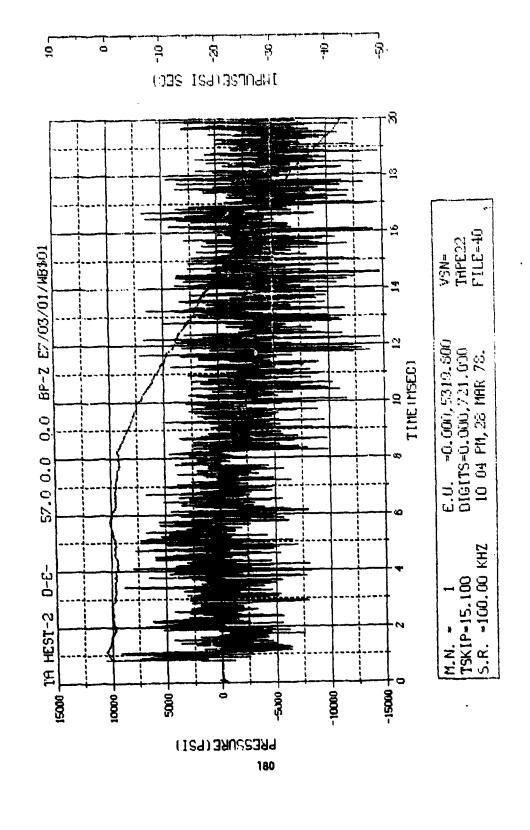
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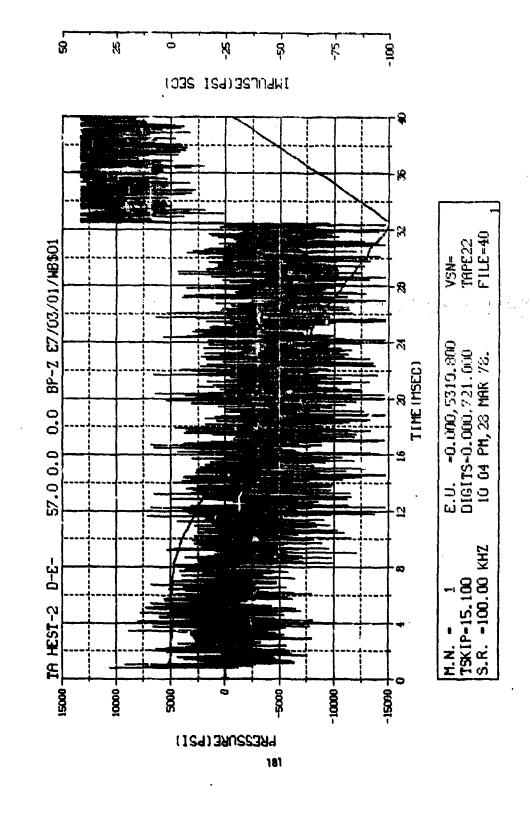
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19. KZY WORDS (Continue on reverse side if necessary and identity by block number) Simulator HEST (High Explosive Simulation Technique) Target Assessment Air Shock	
ABSTRACT (Continue on reverse side II necessary and Identity by block number) (This effort produced design information and experiment data for improving high explosive simulation of nuclear airblasts. Specifically, a peak pressure versus charge density relationship for Iremite in 100 percent foam cavities was obtained for pressure up to 68 MPa. The results of this effort were transmitted to USAE Waterways Experiment Station. WES is conducting tests on generic silos as part of a DNA targeting research and test program.	

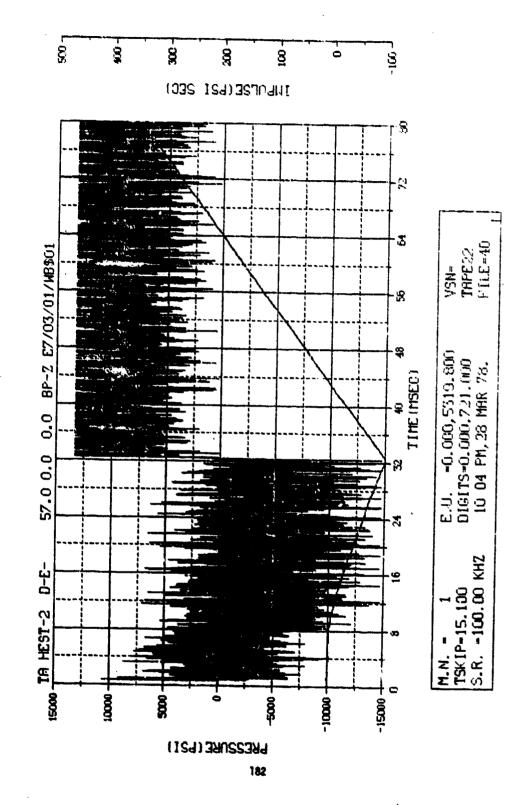
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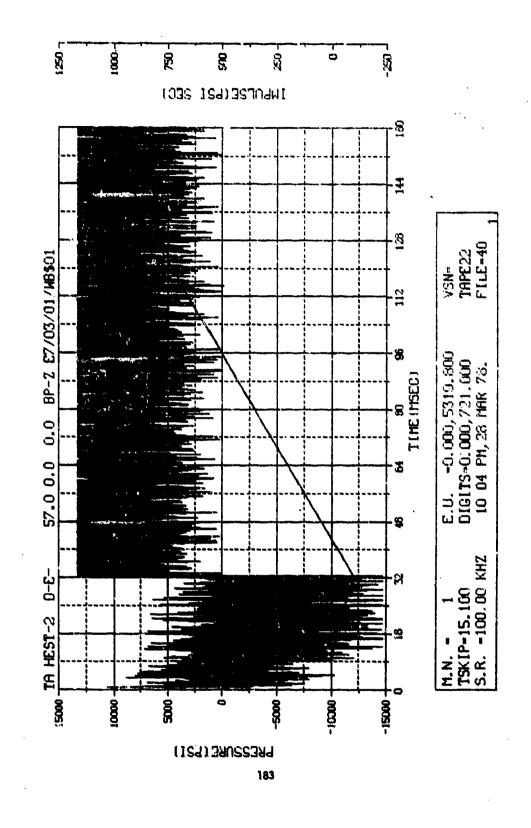
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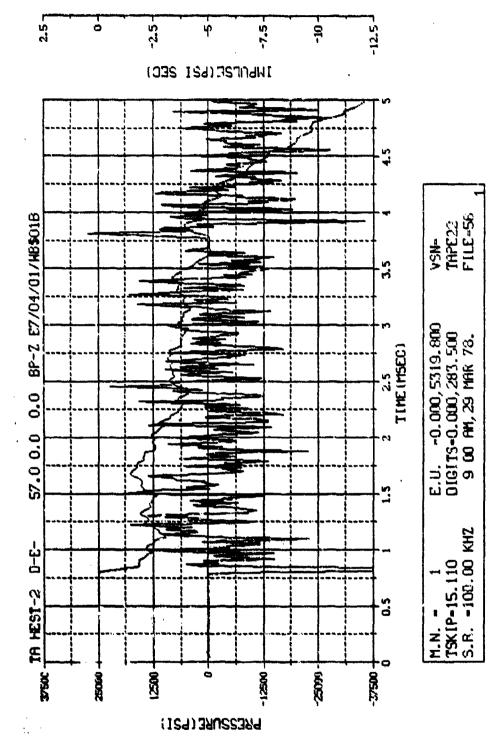


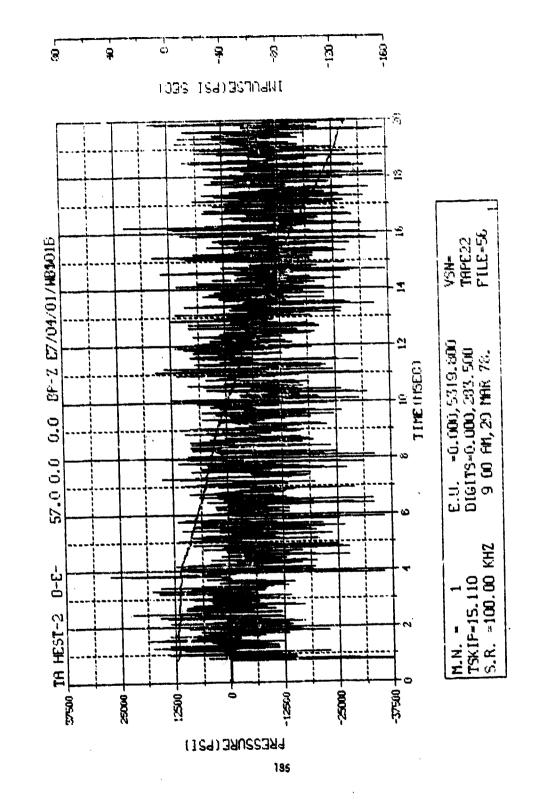


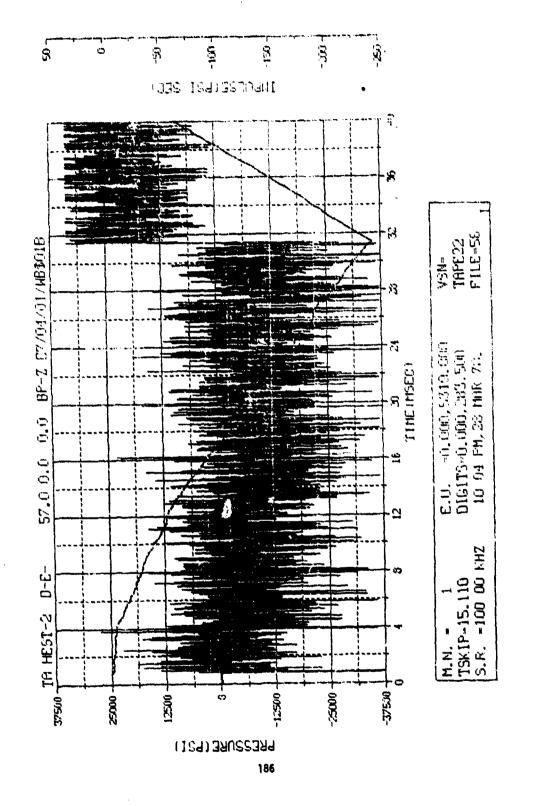


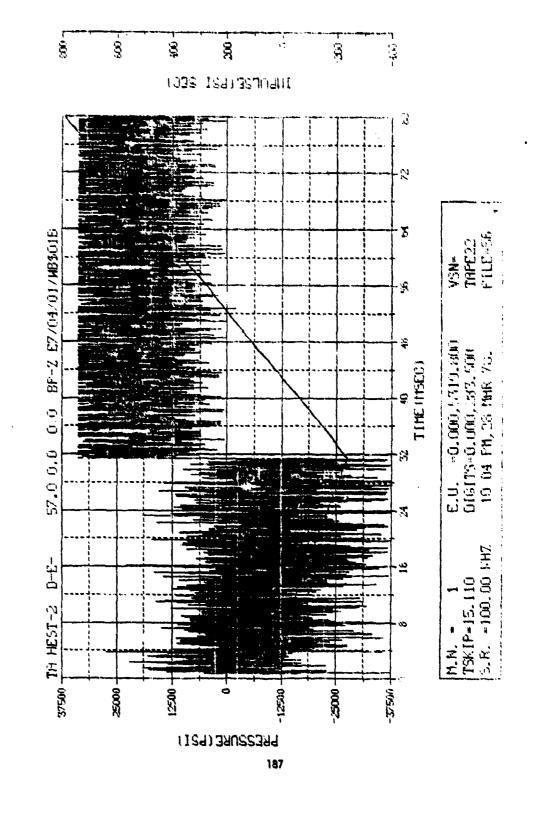


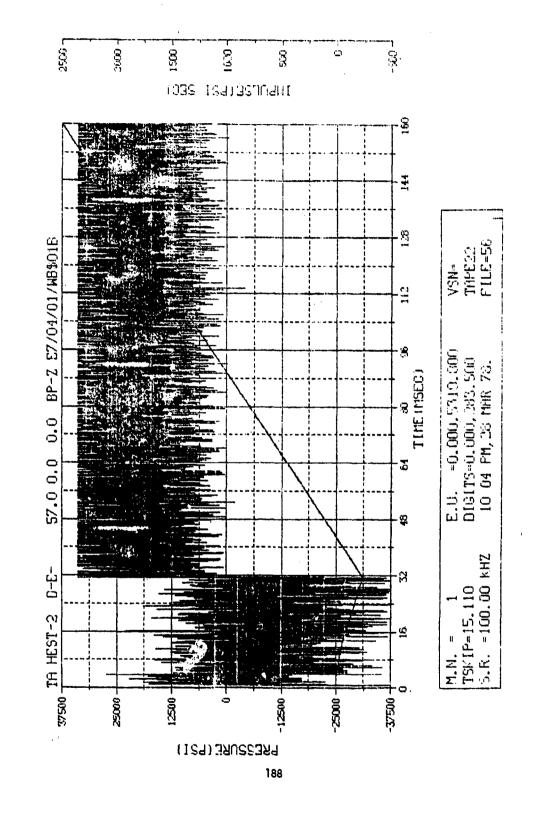


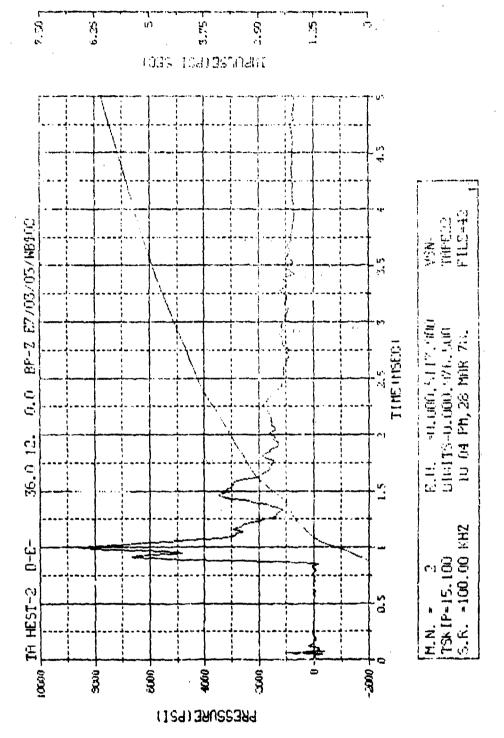


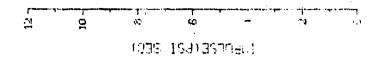


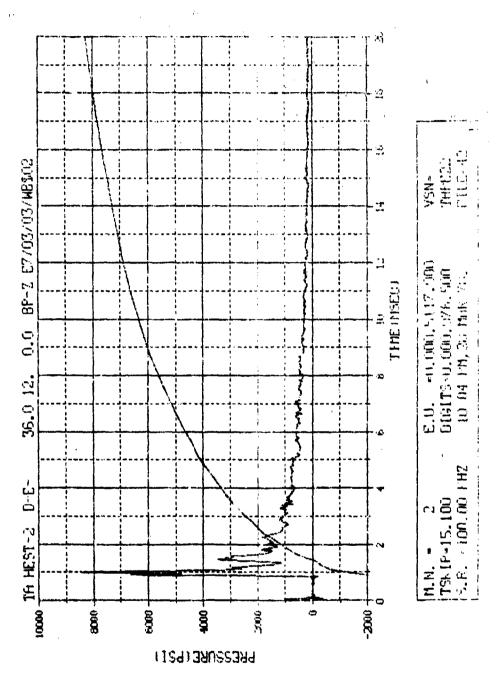


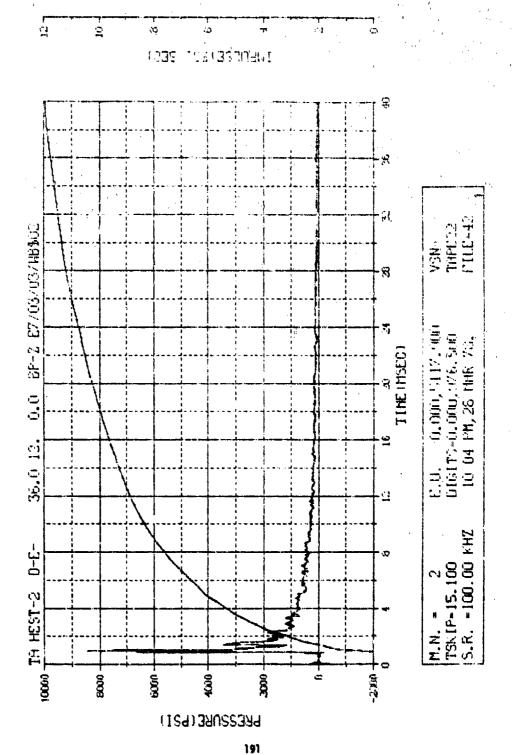


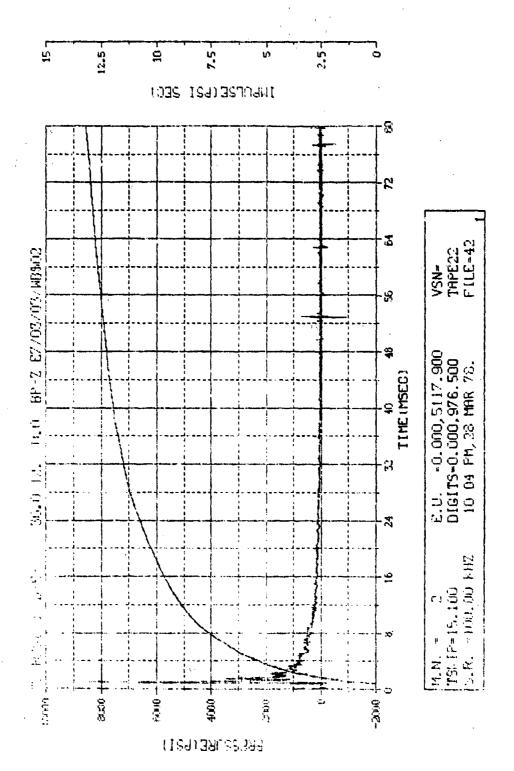


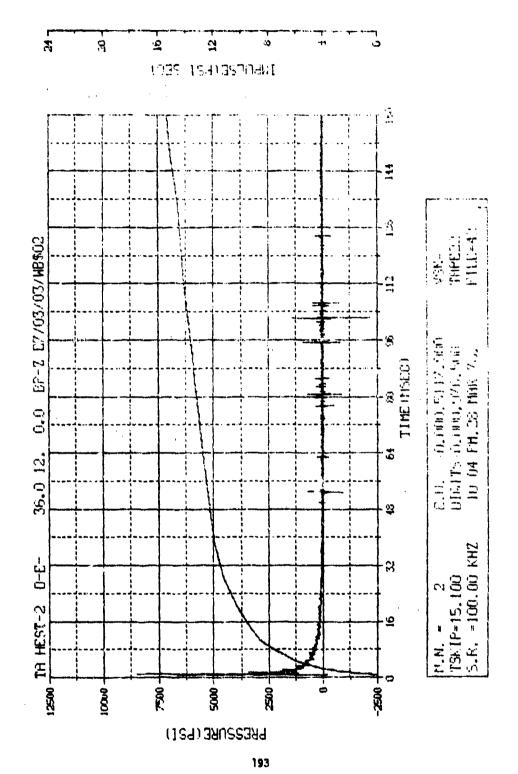




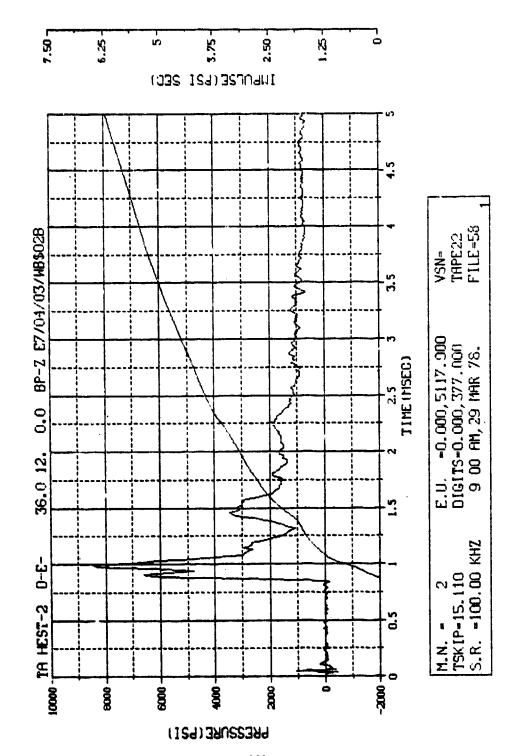


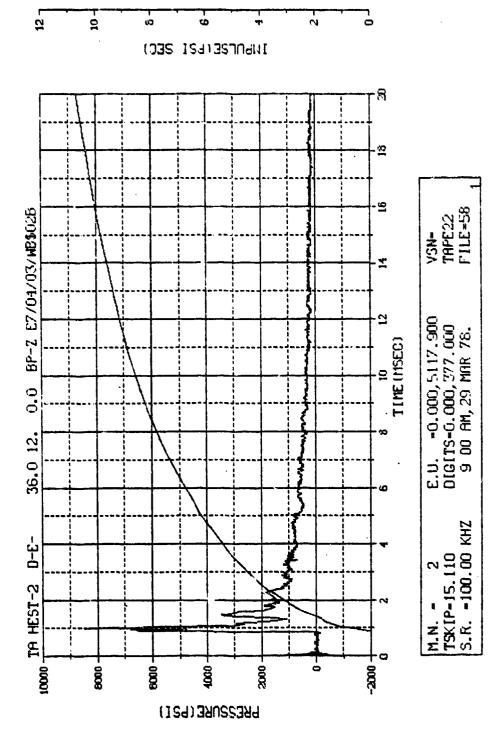


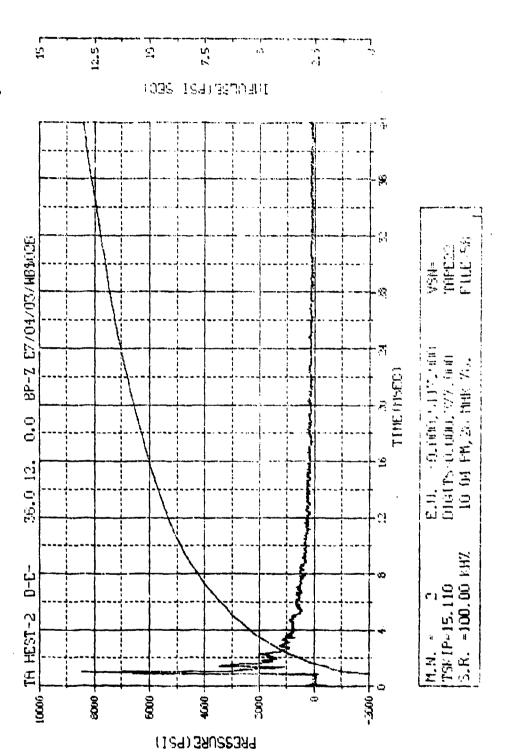


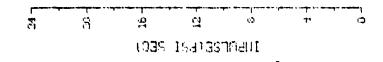


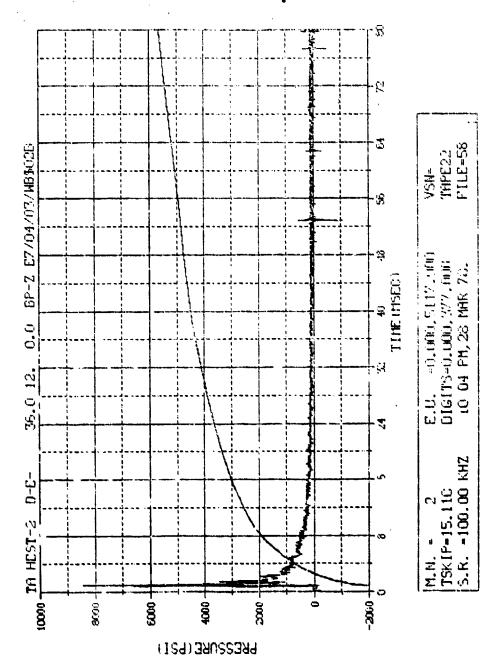
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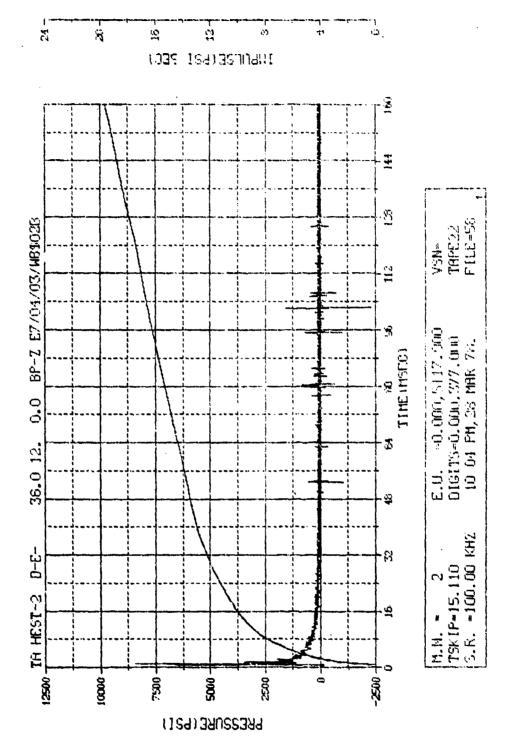


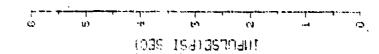


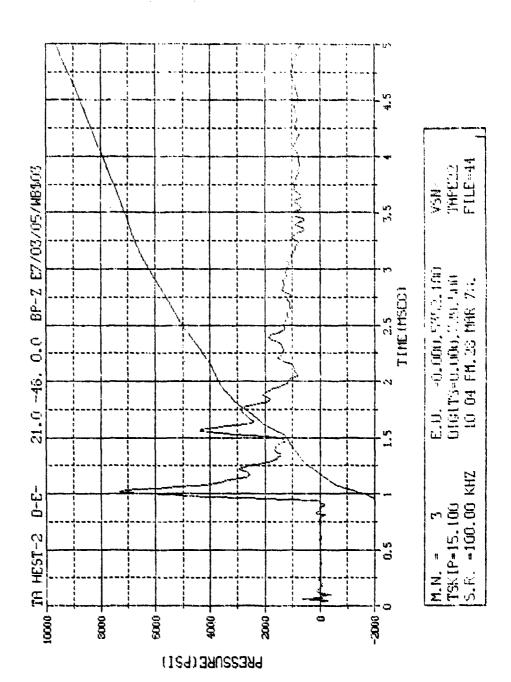


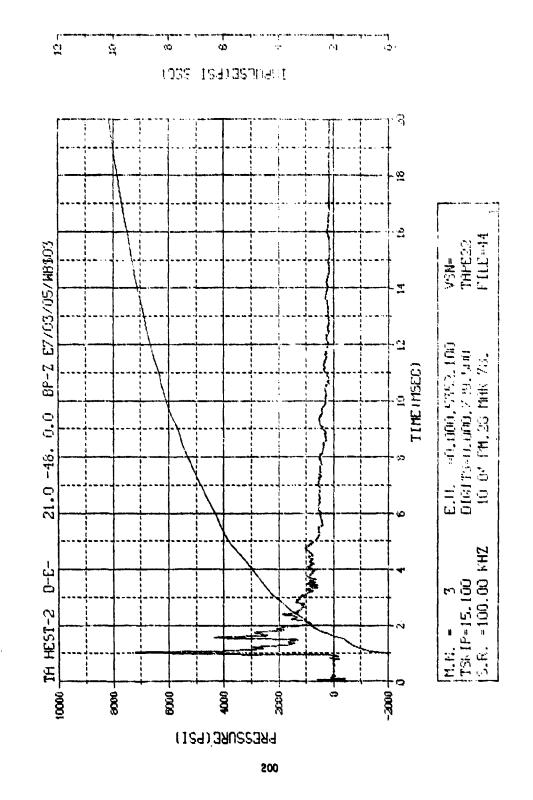


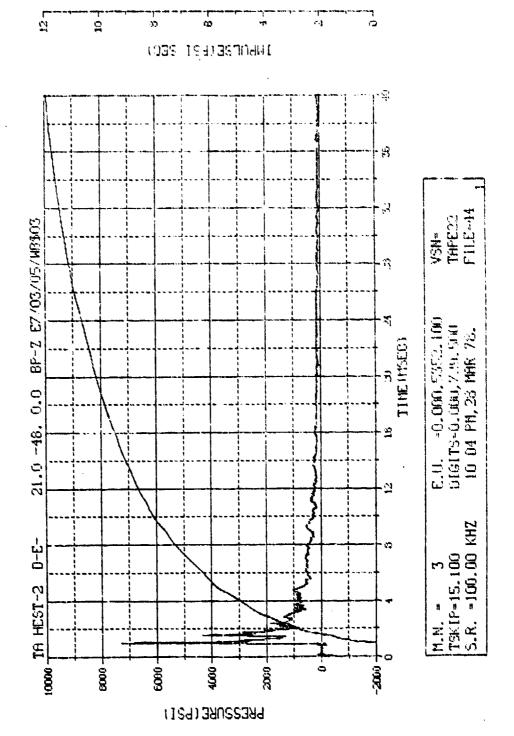


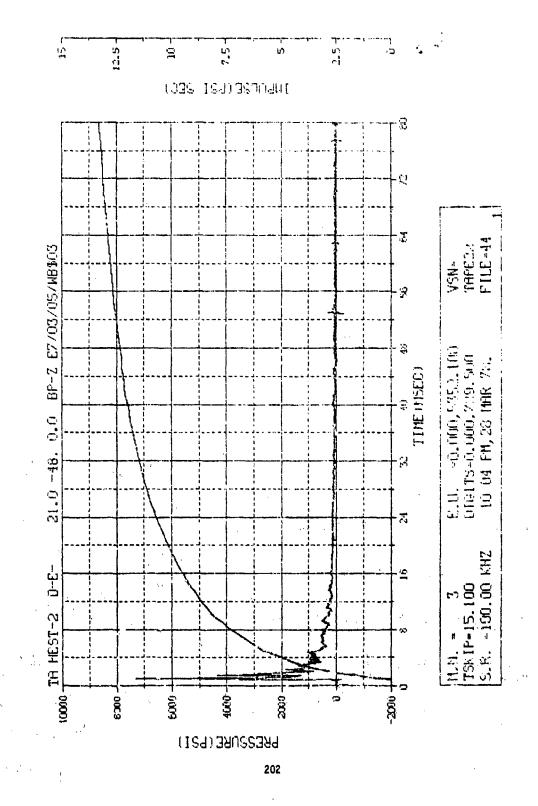


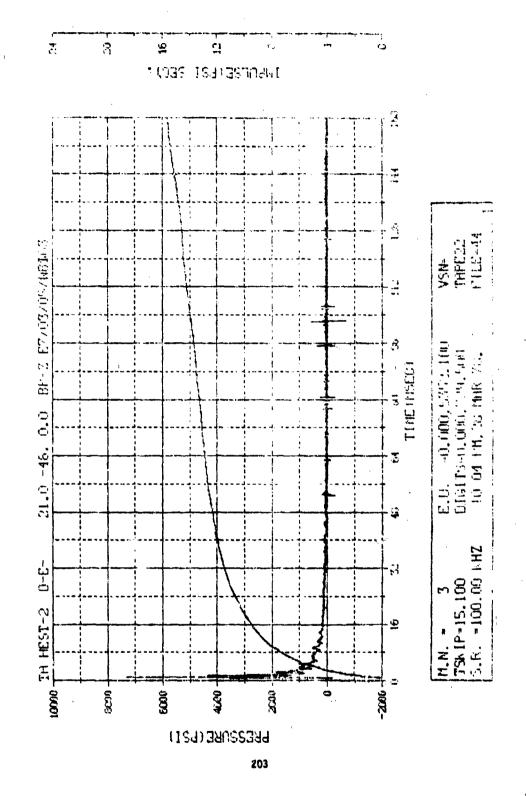


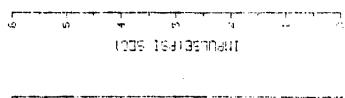


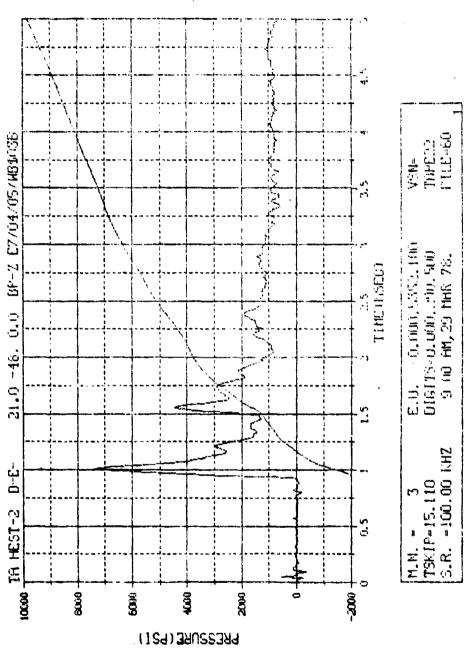


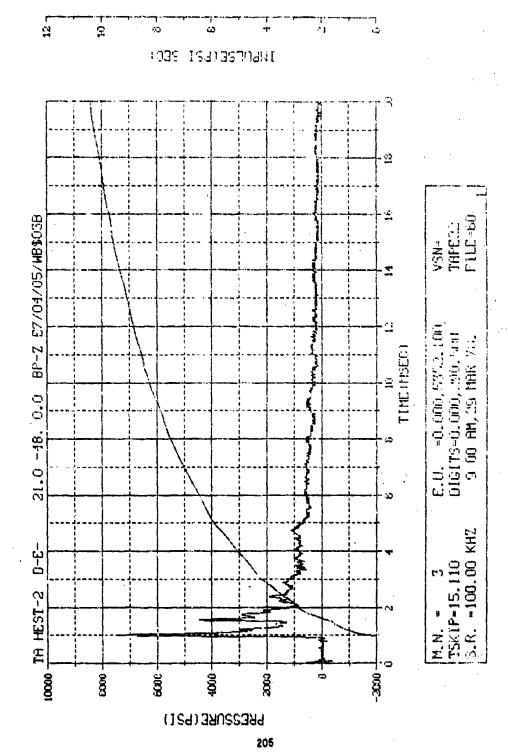


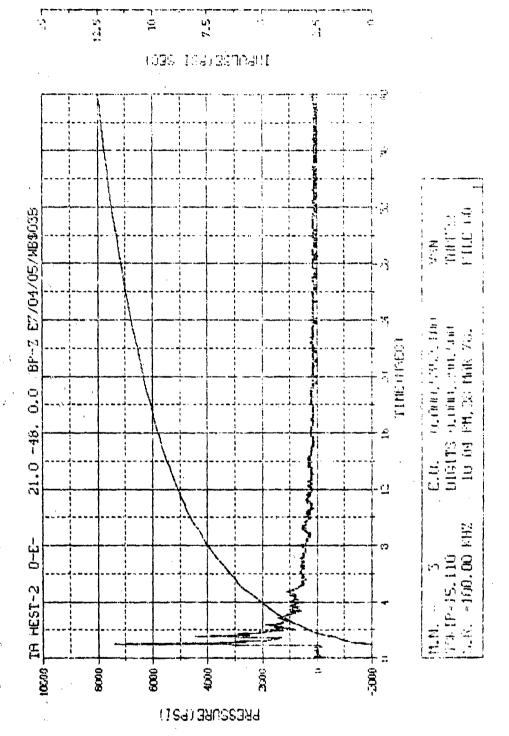


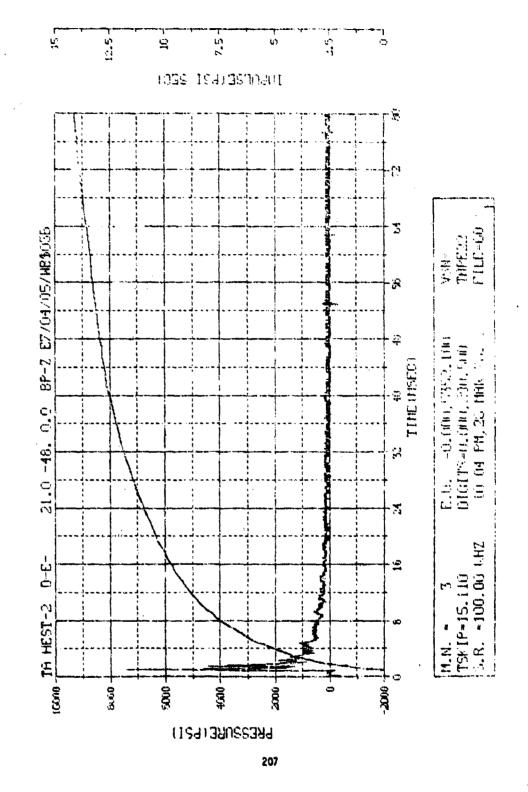


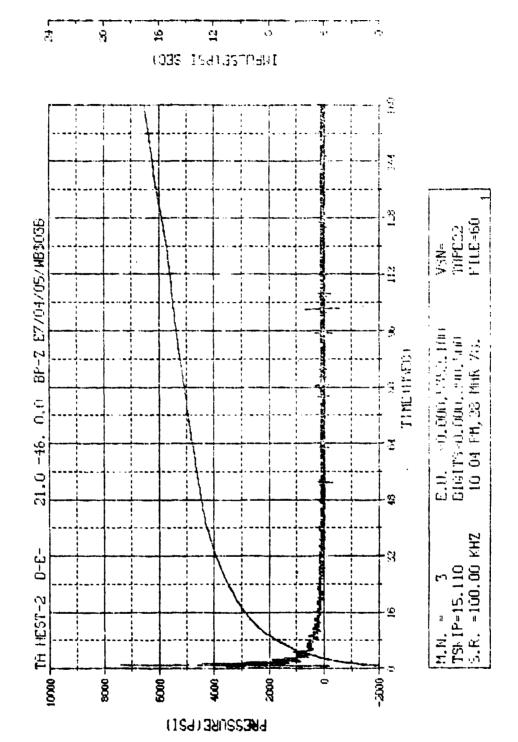


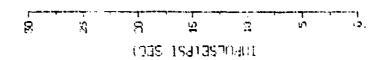


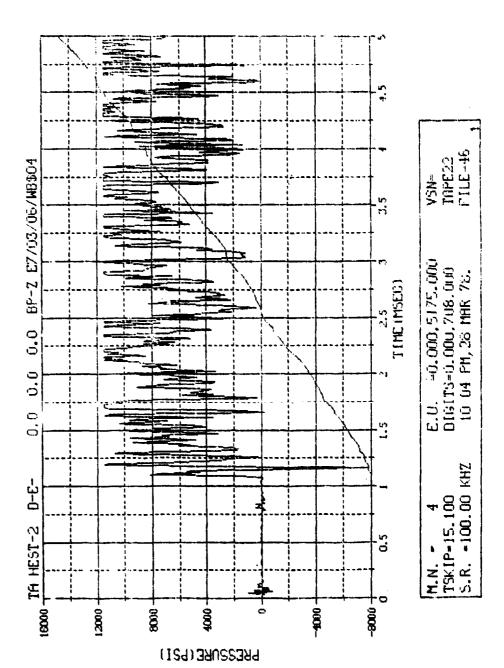


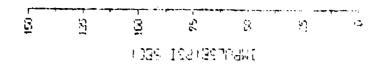


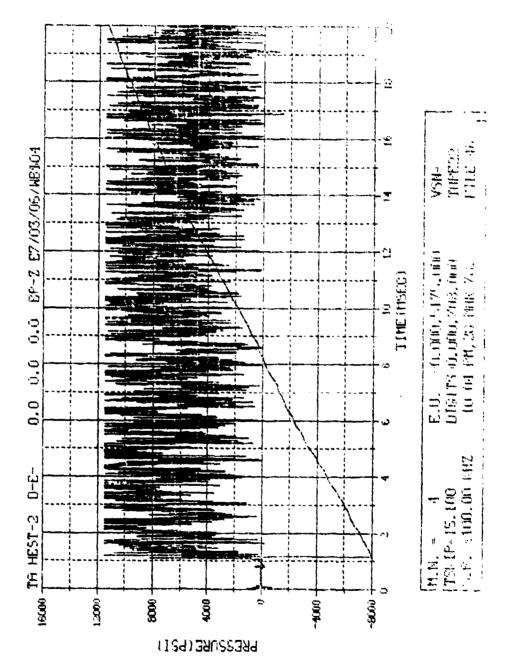


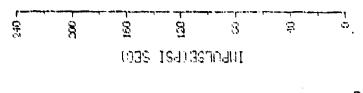


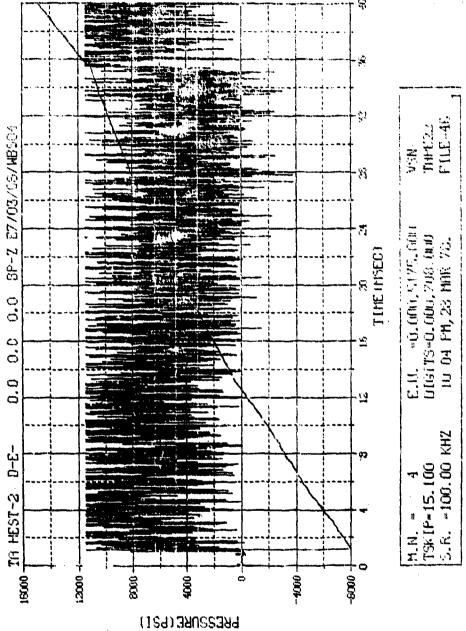


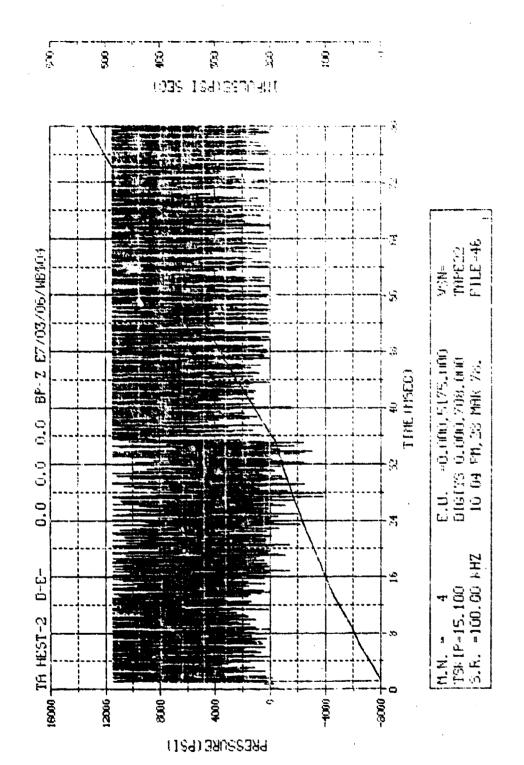


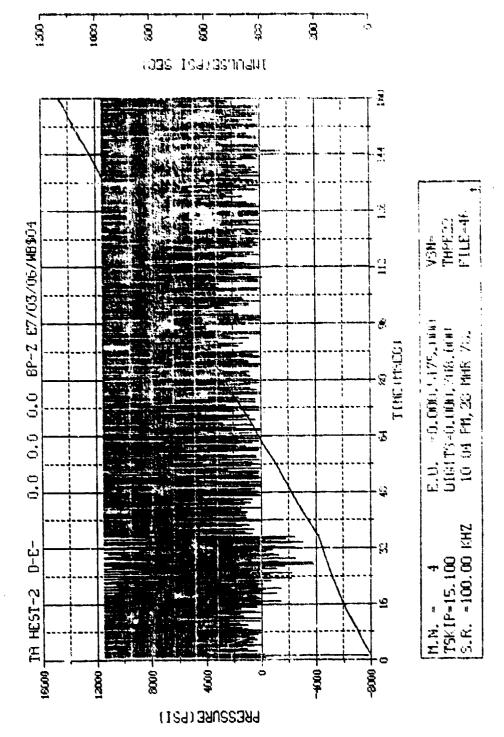


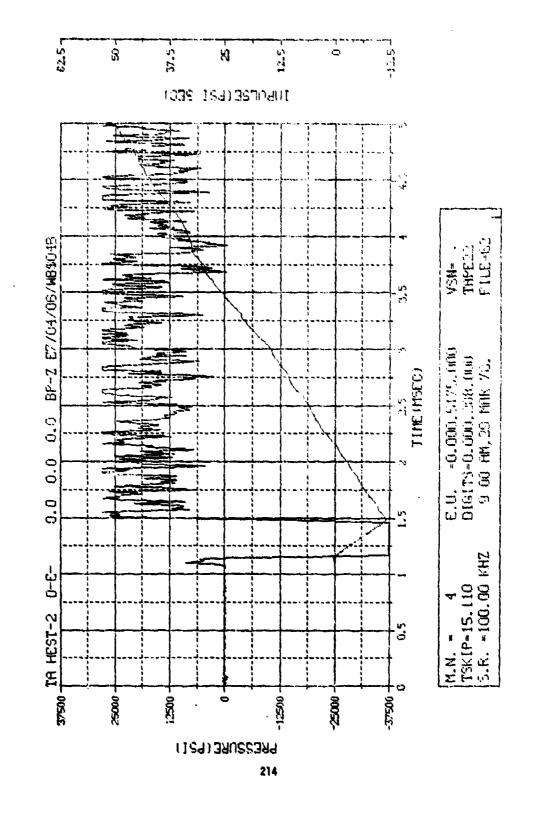


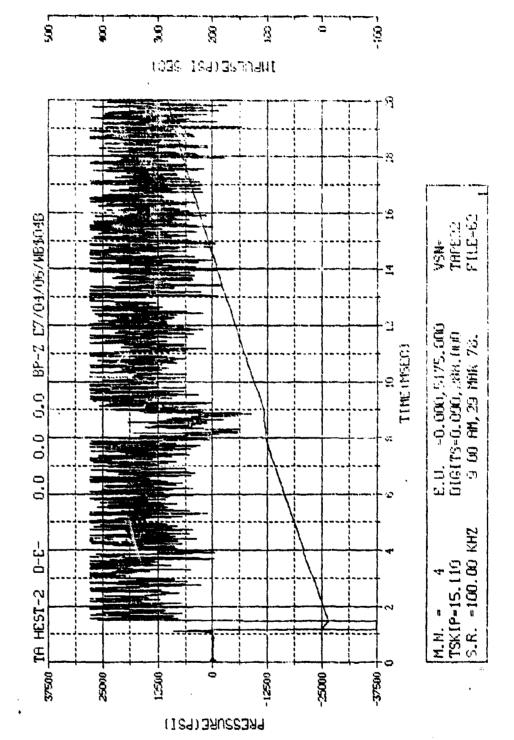


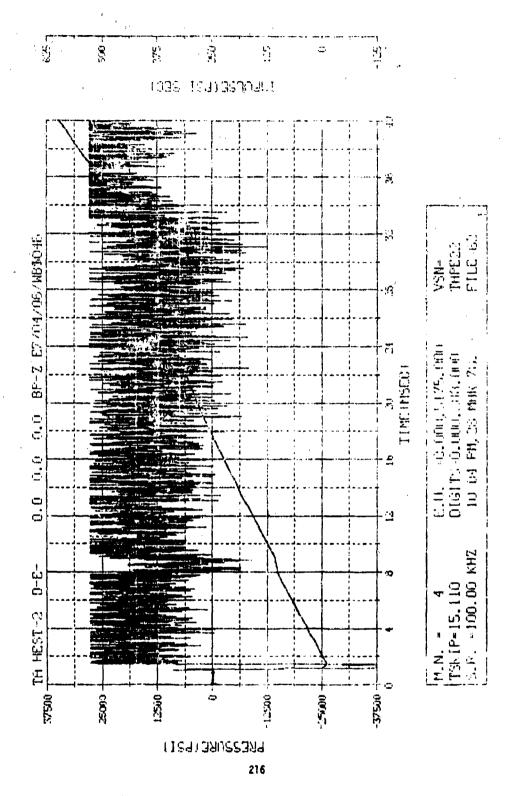


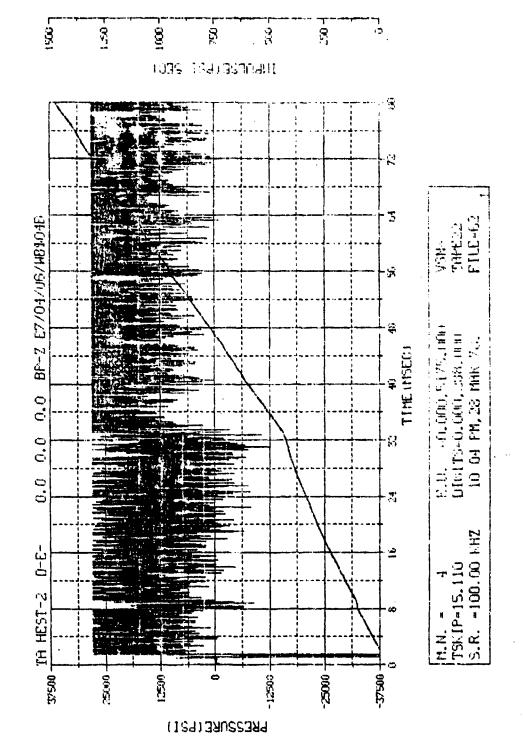


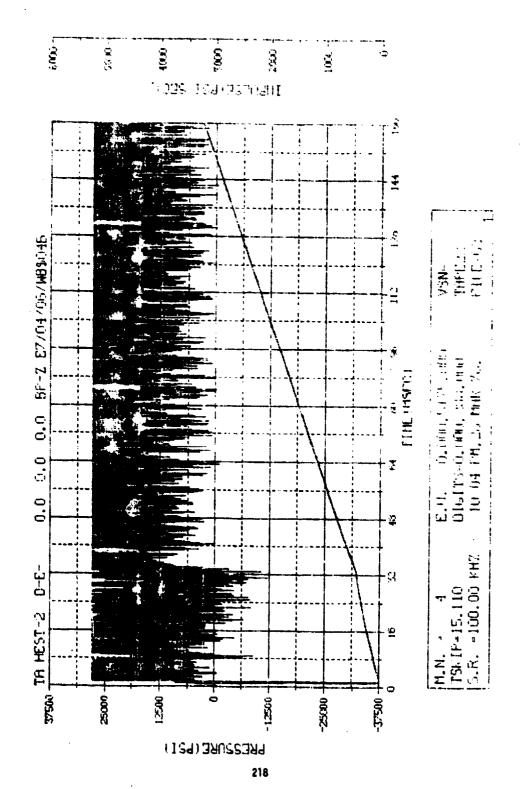


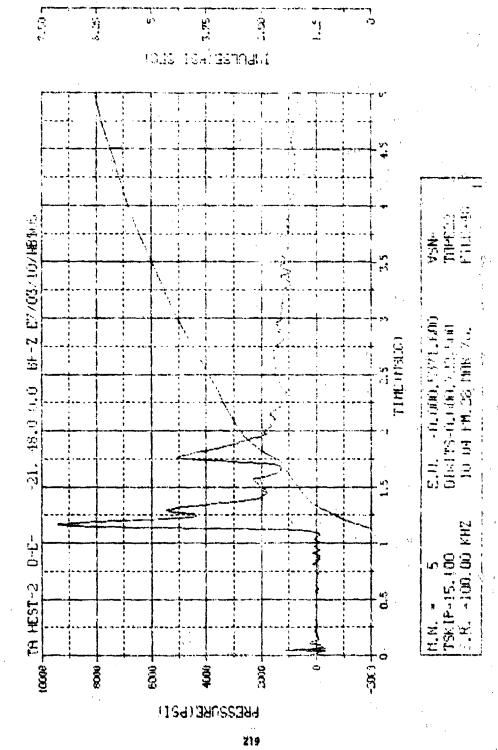


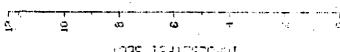


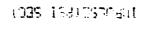


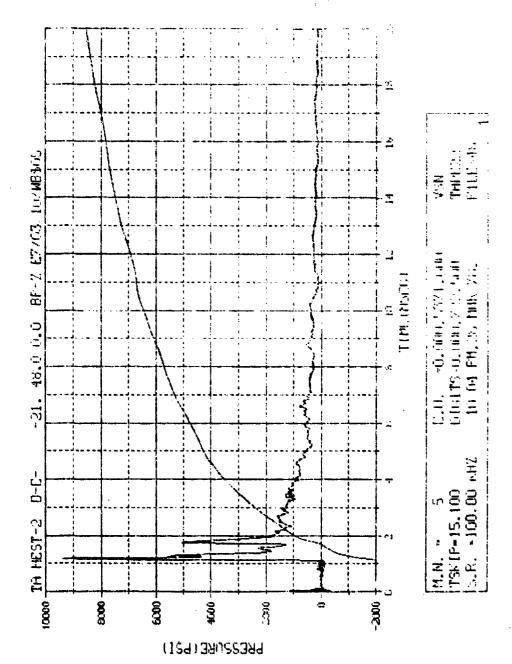


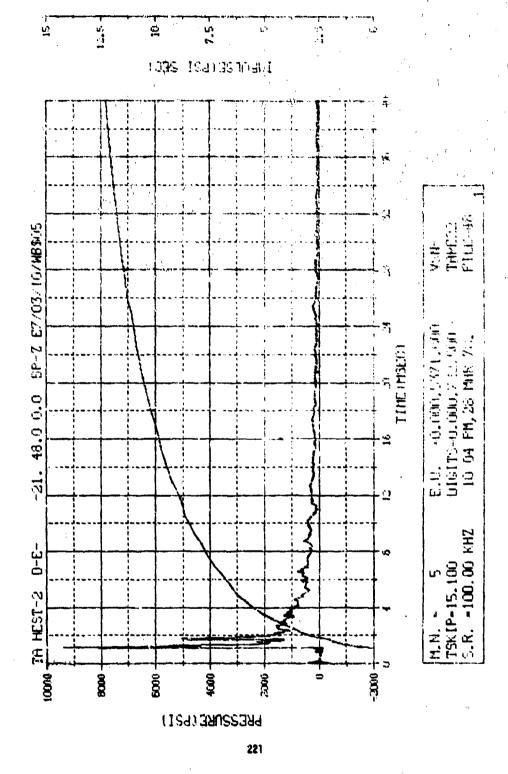


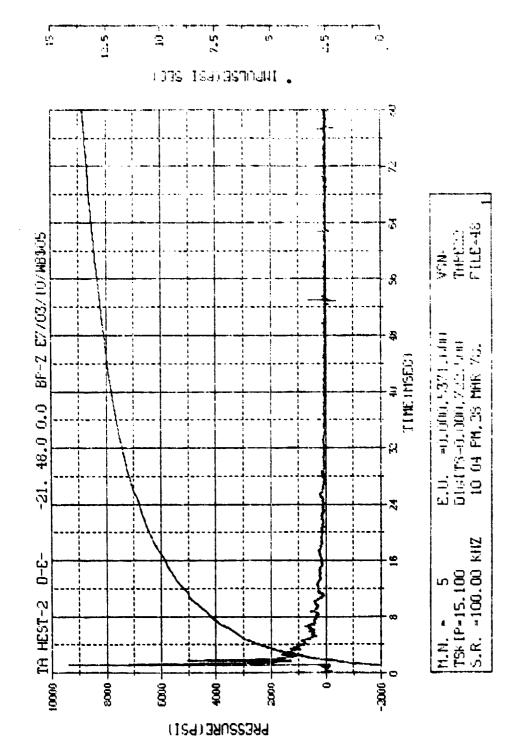


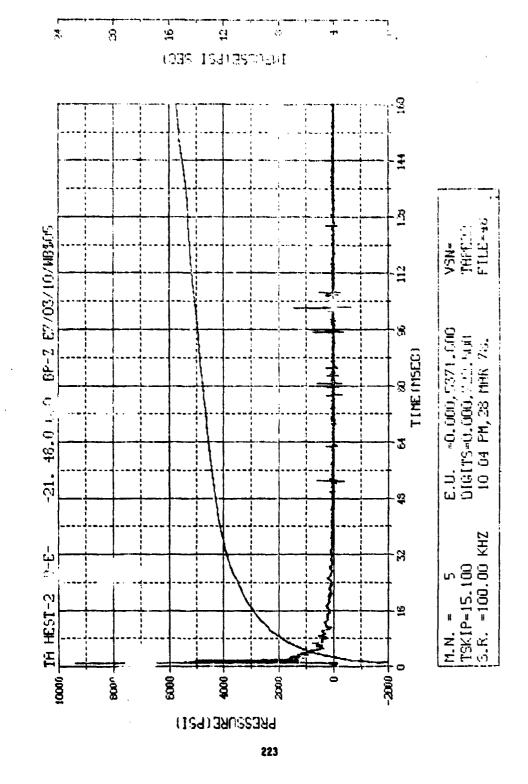


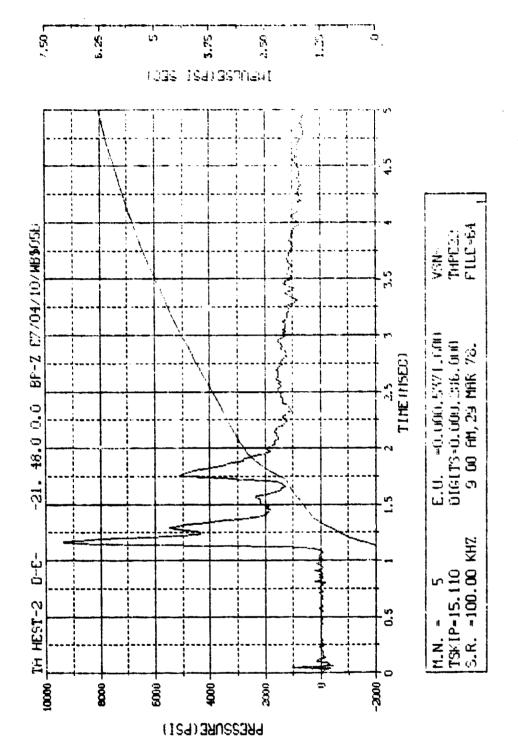


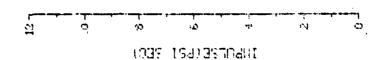


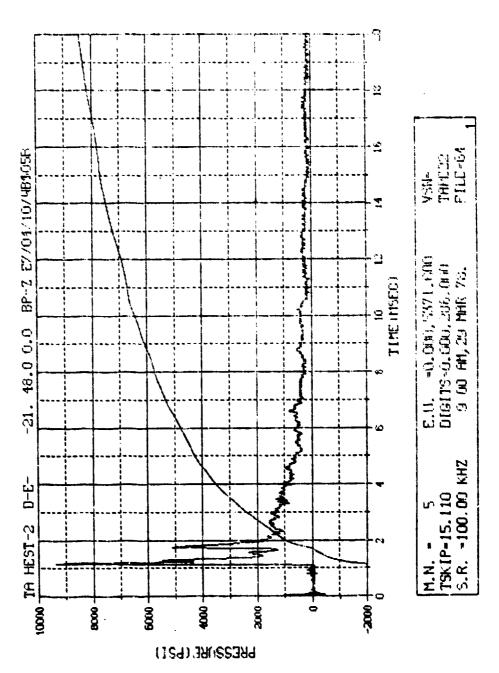


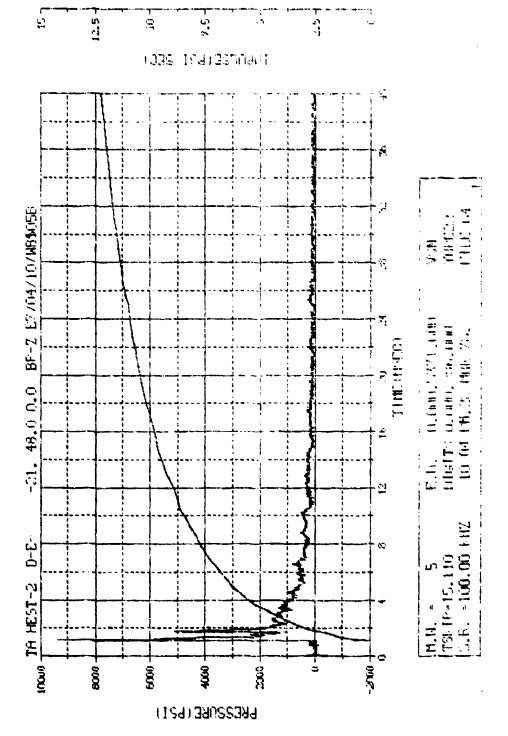


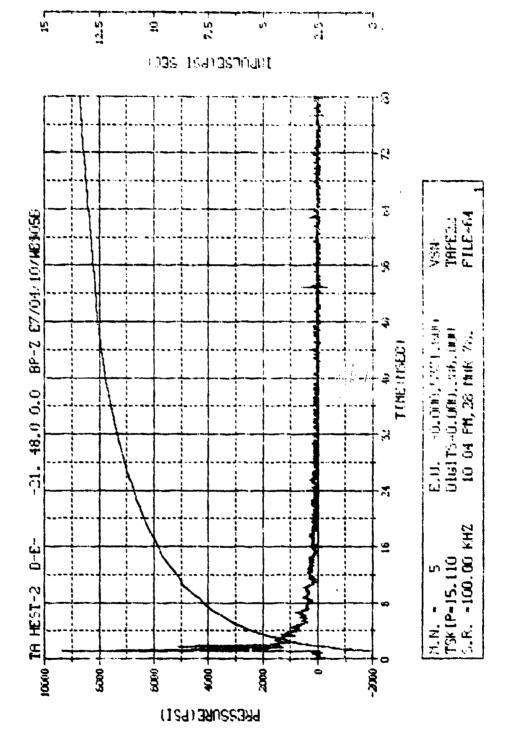


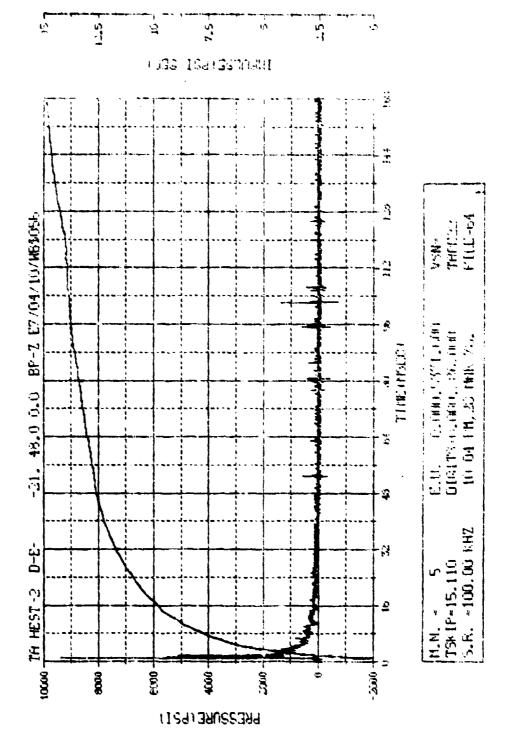


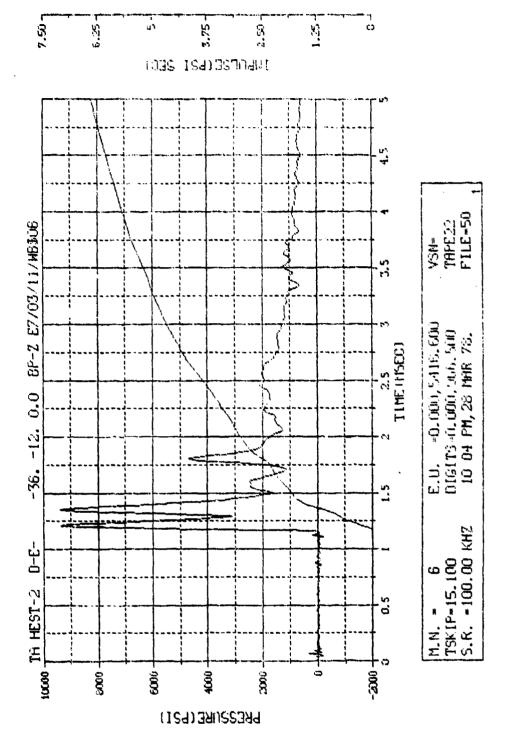


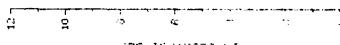


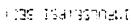


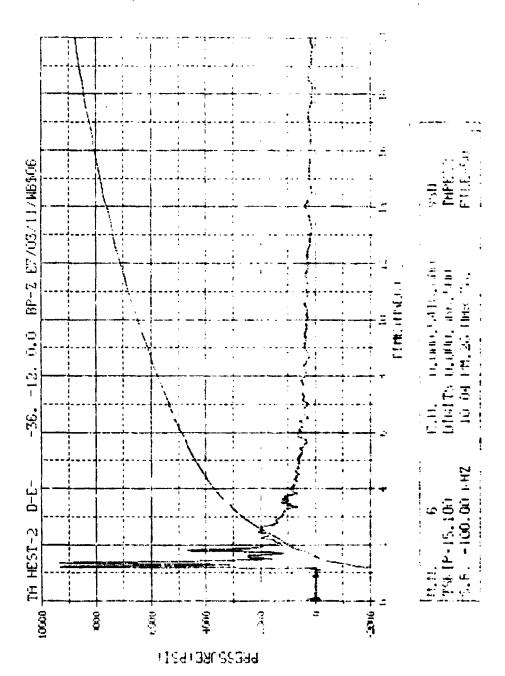


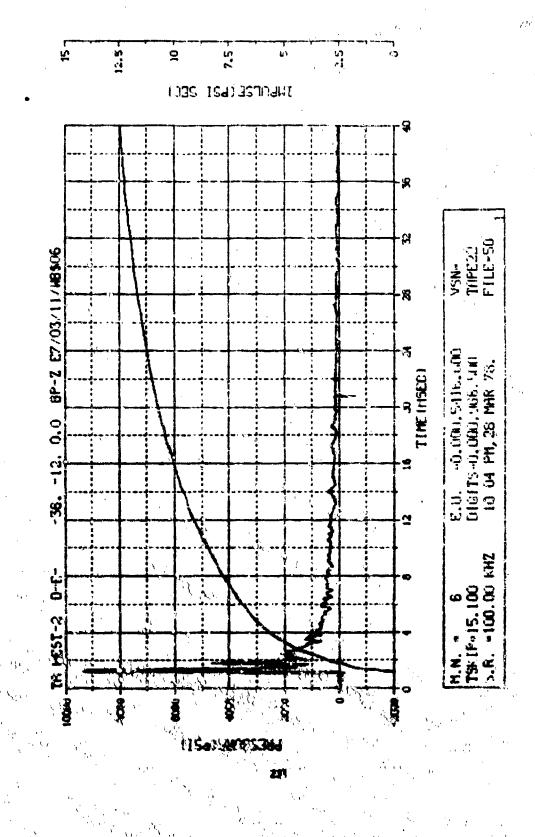


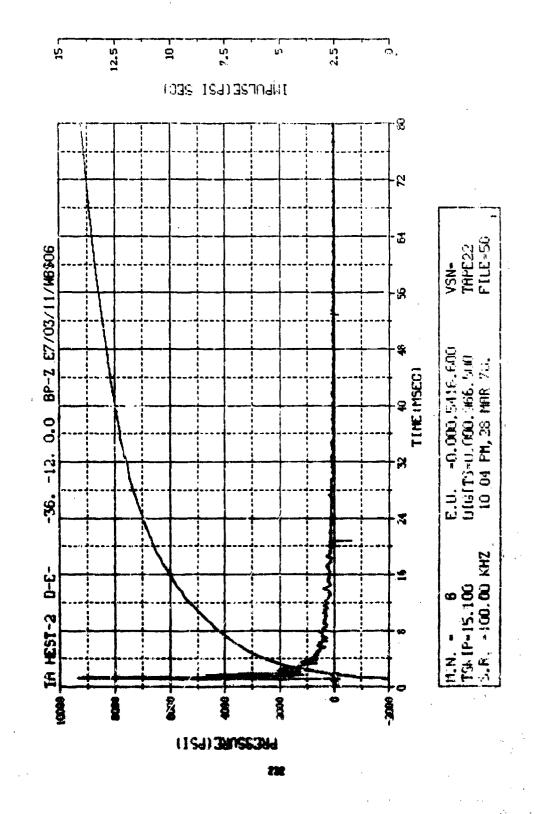


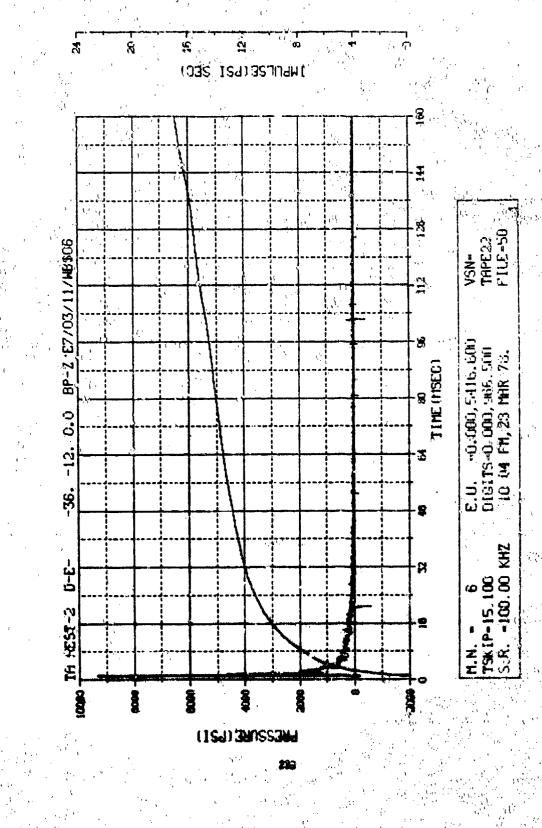


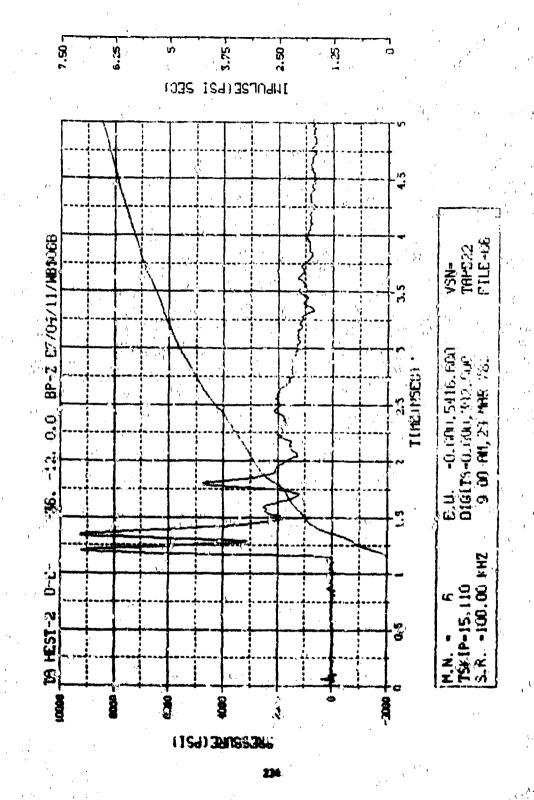


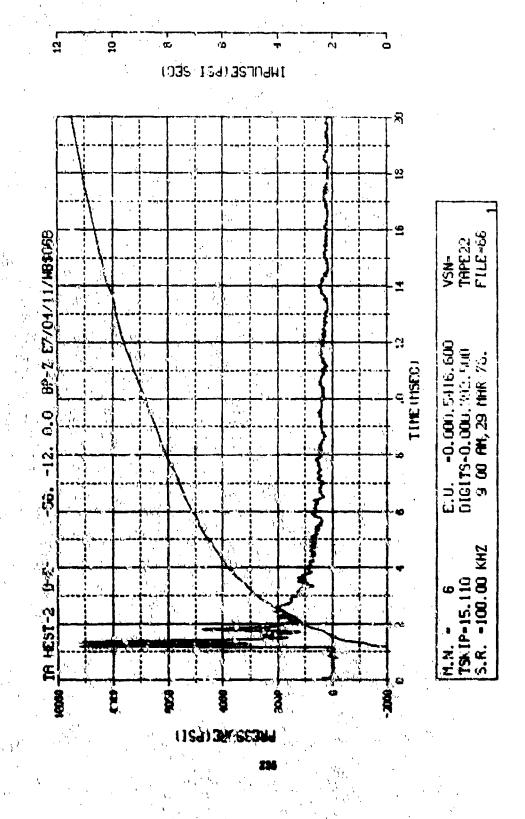


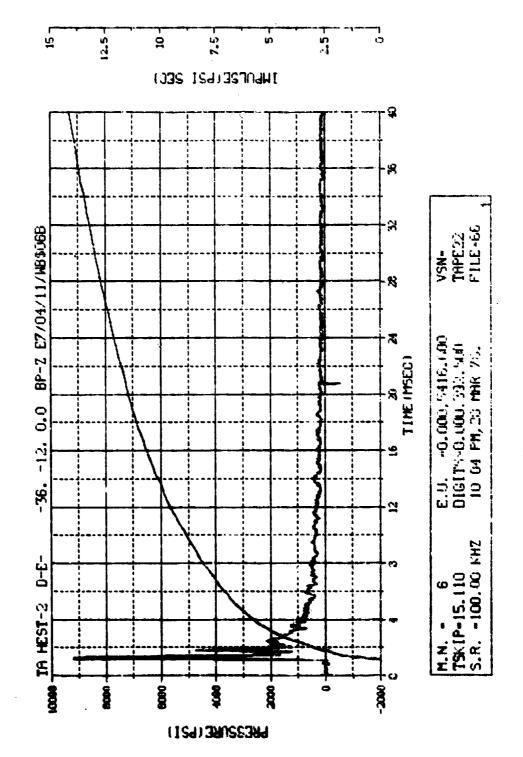


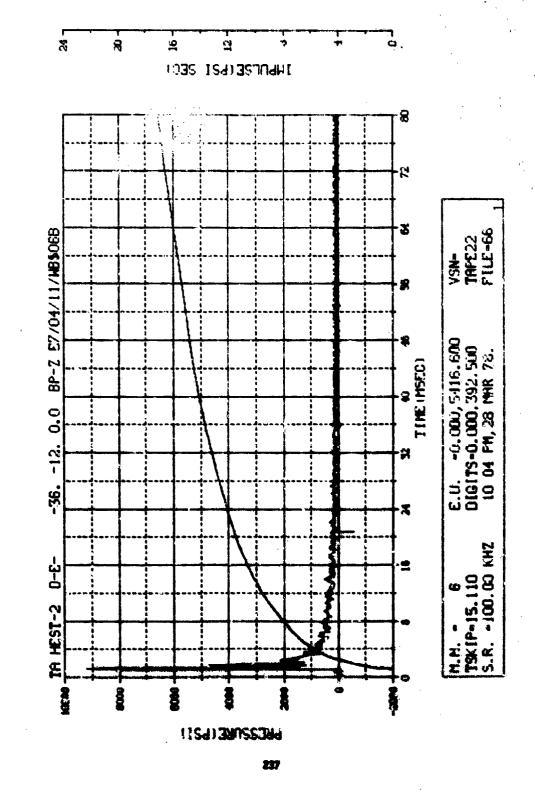


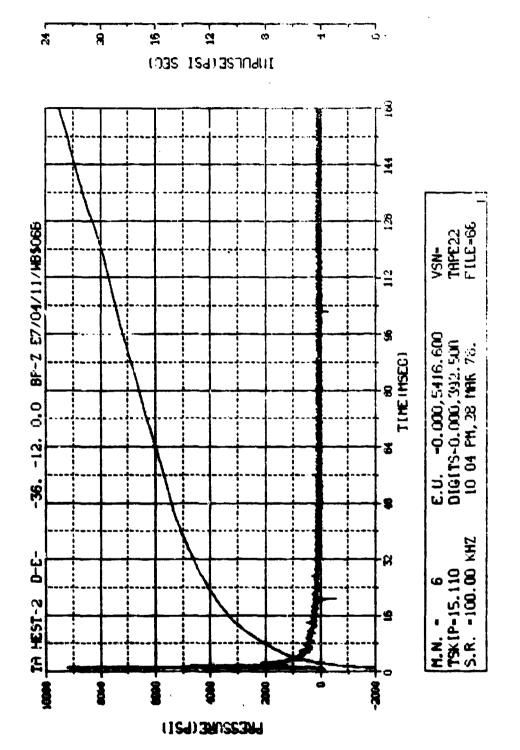


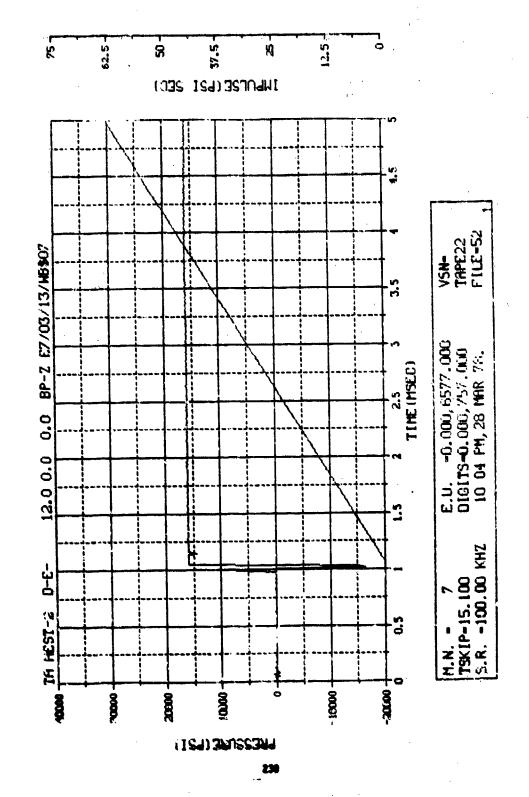


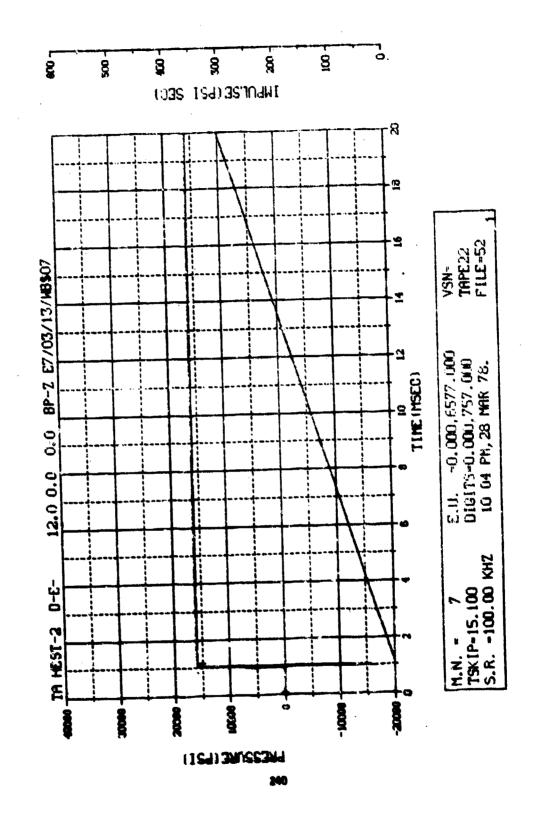


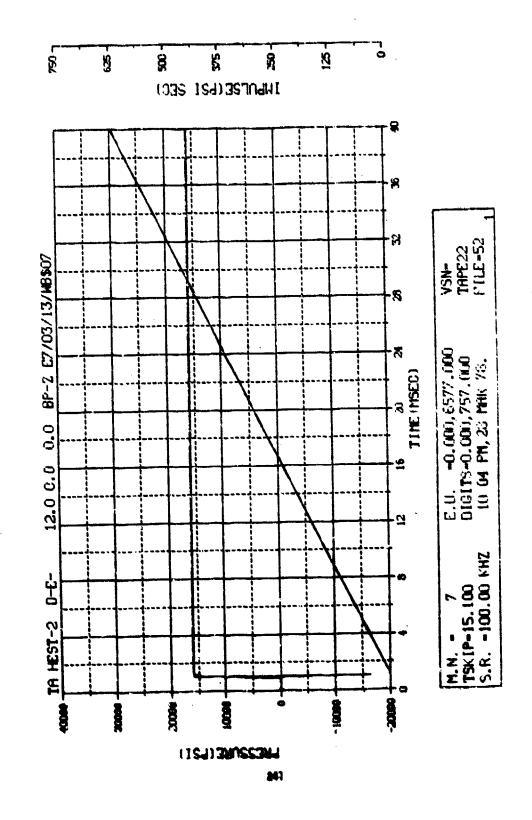


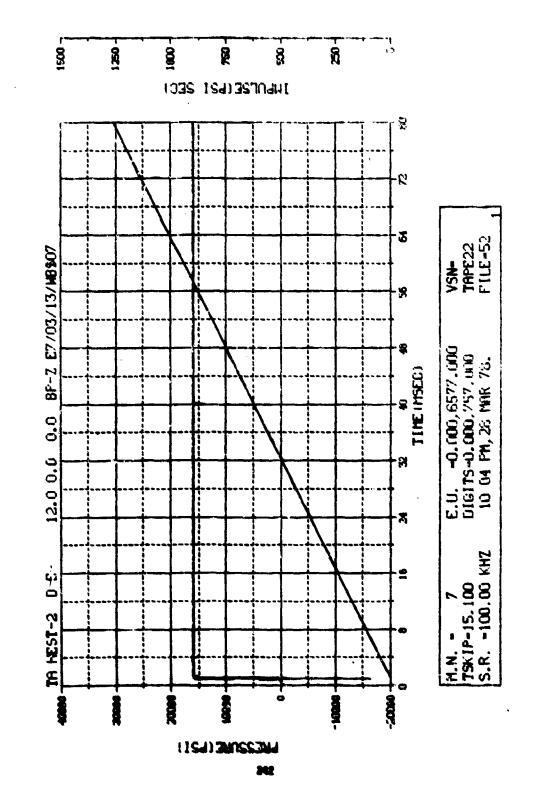


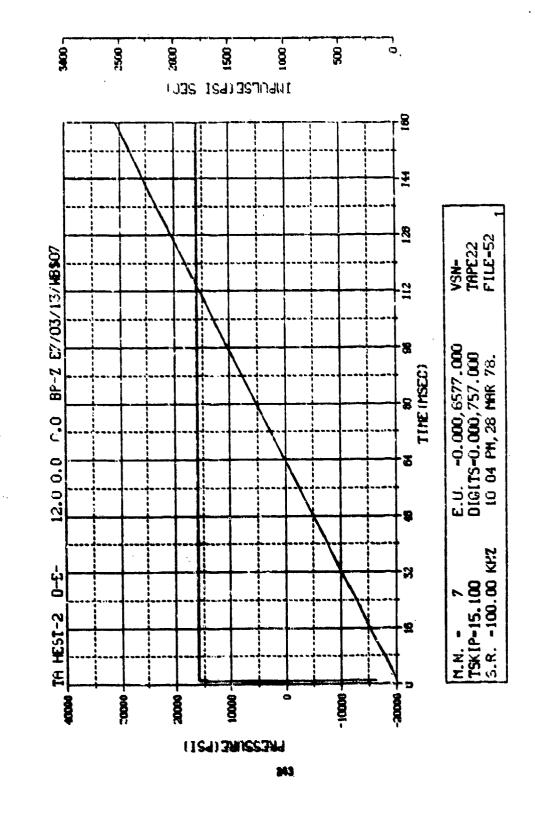


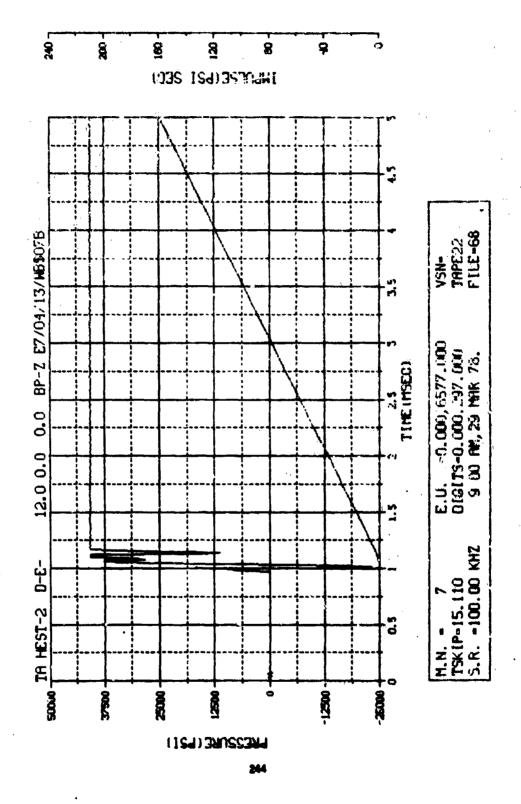


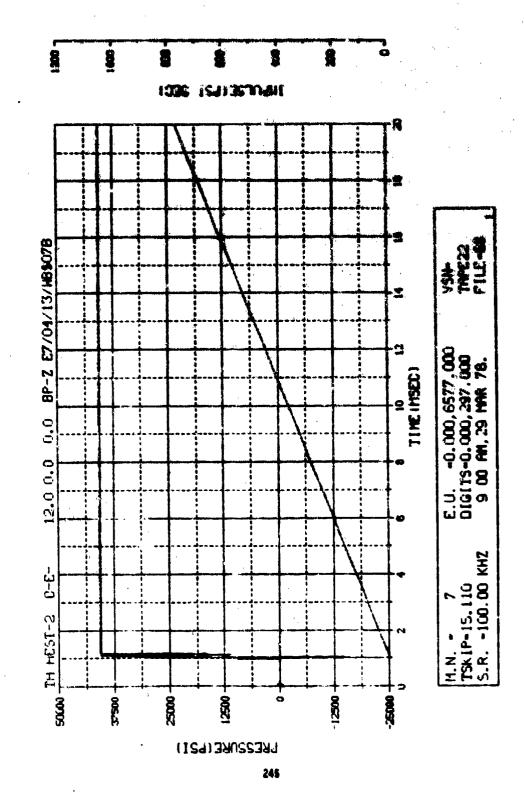


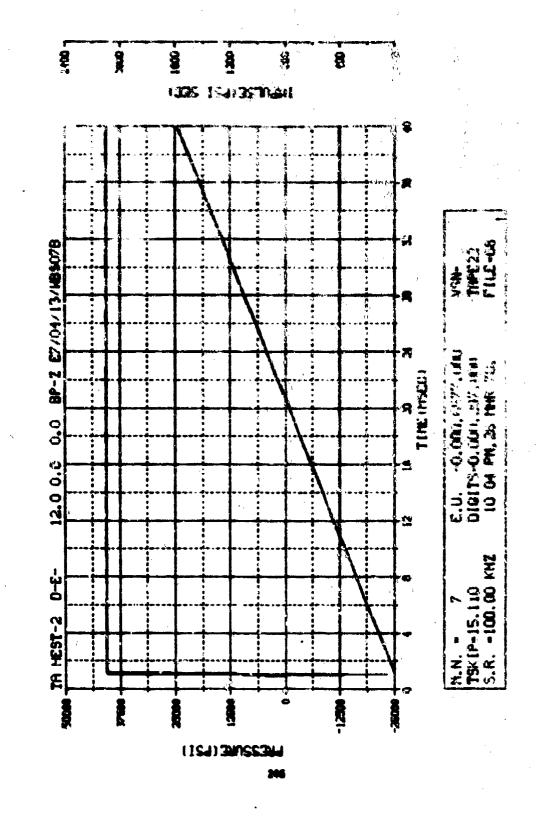


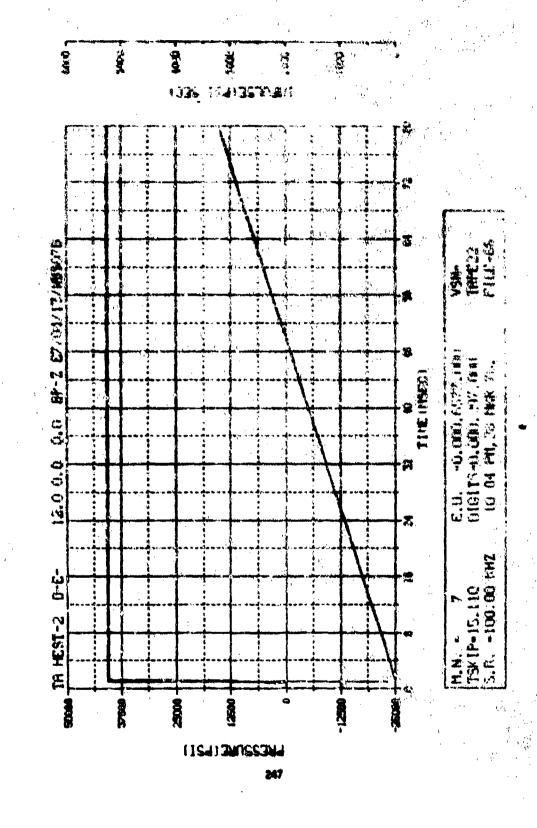


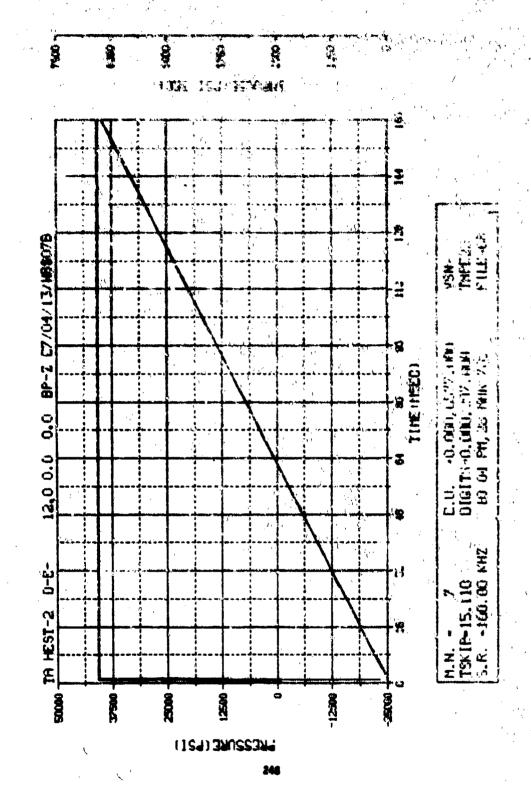


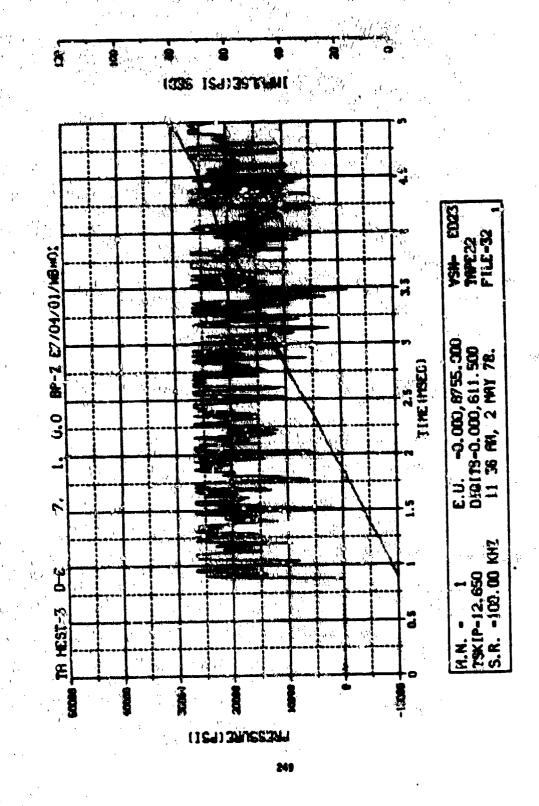


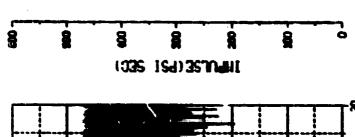


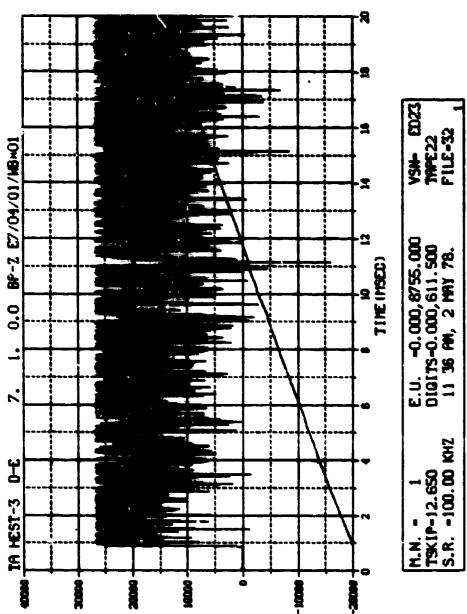




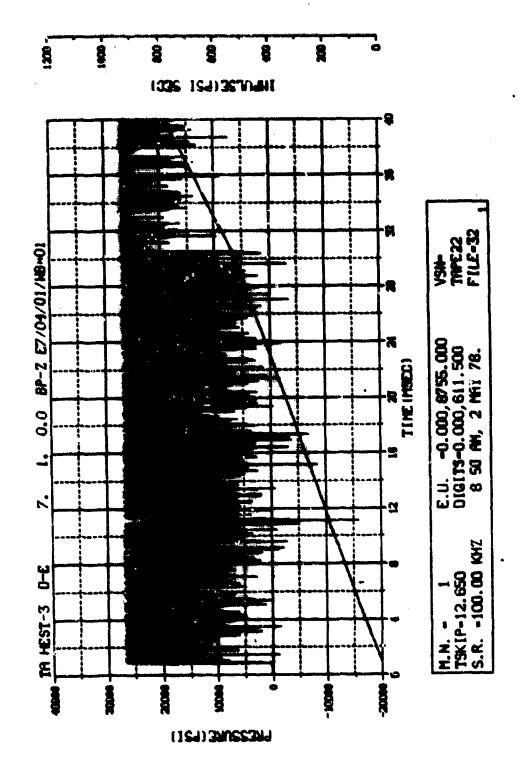


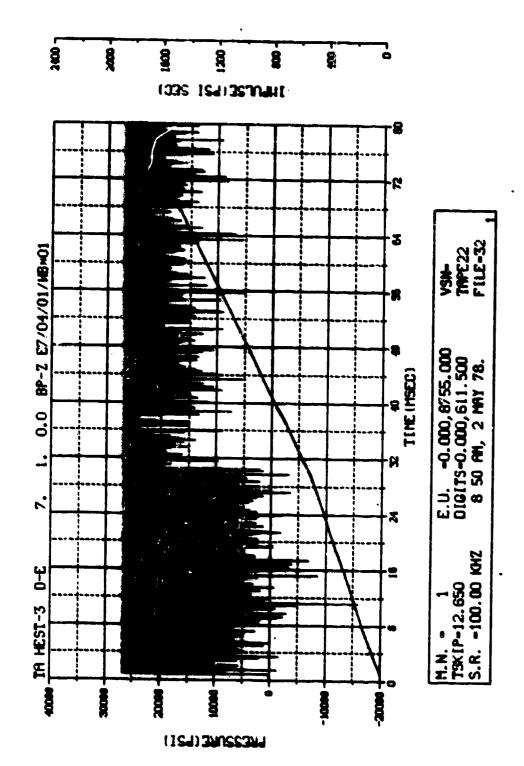




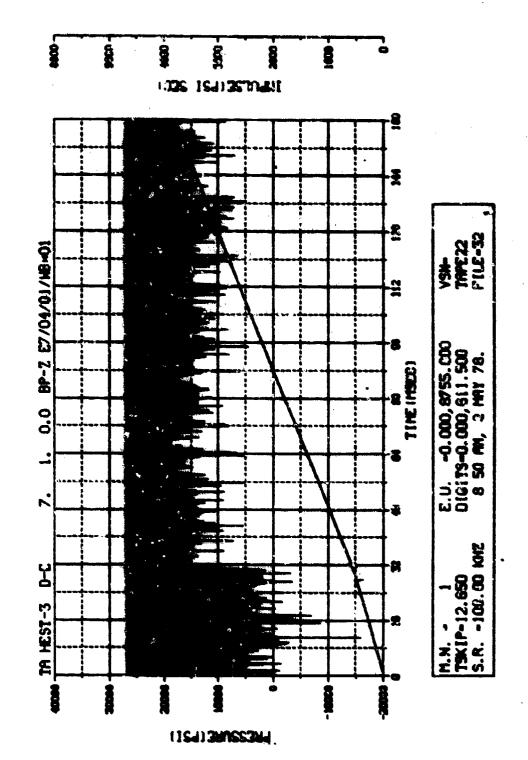


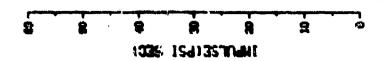
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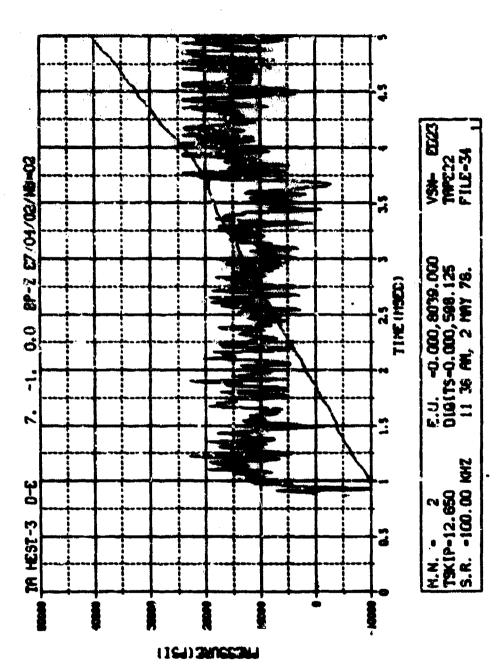


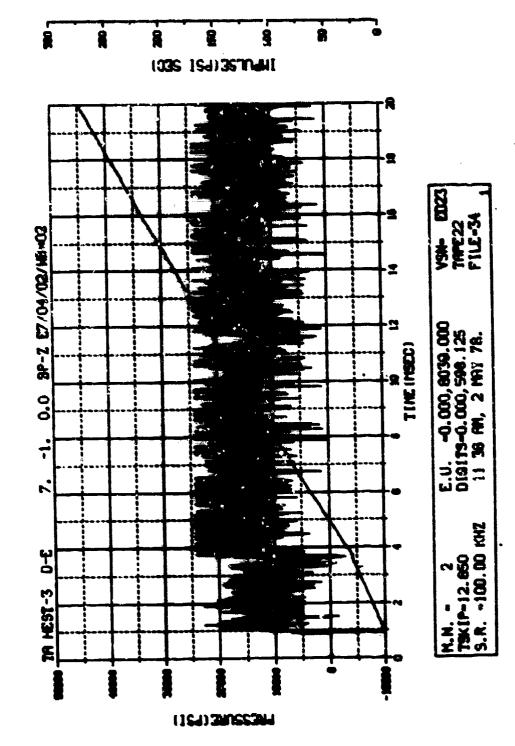


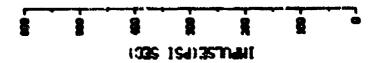
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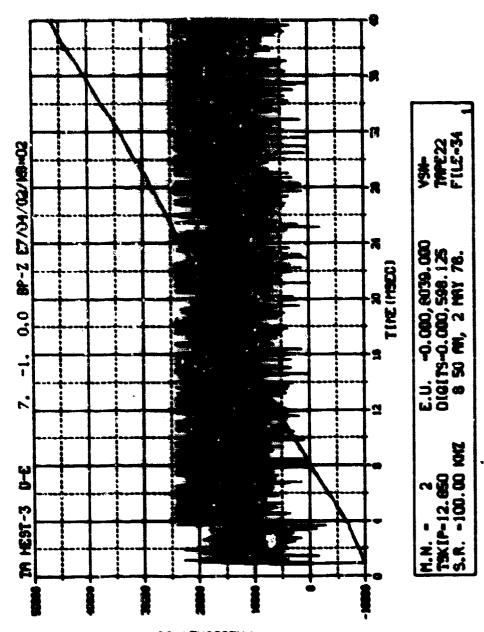




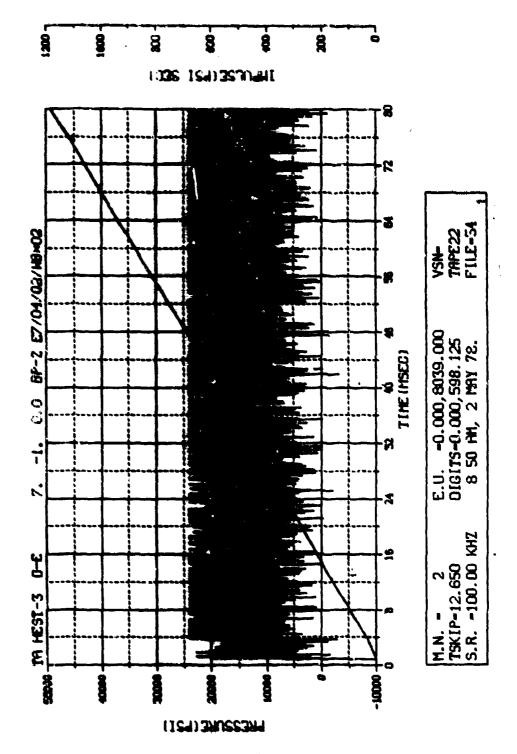


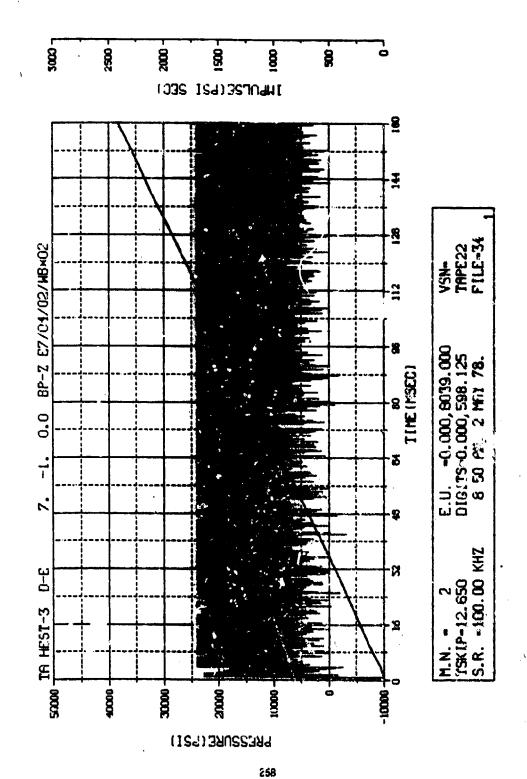


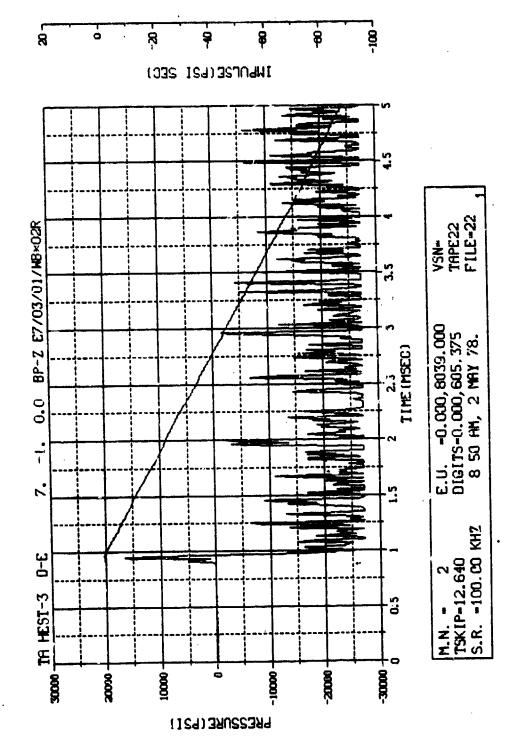


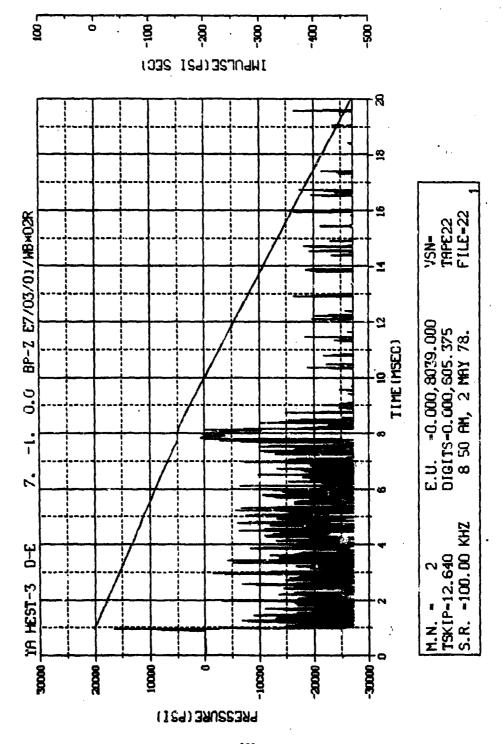


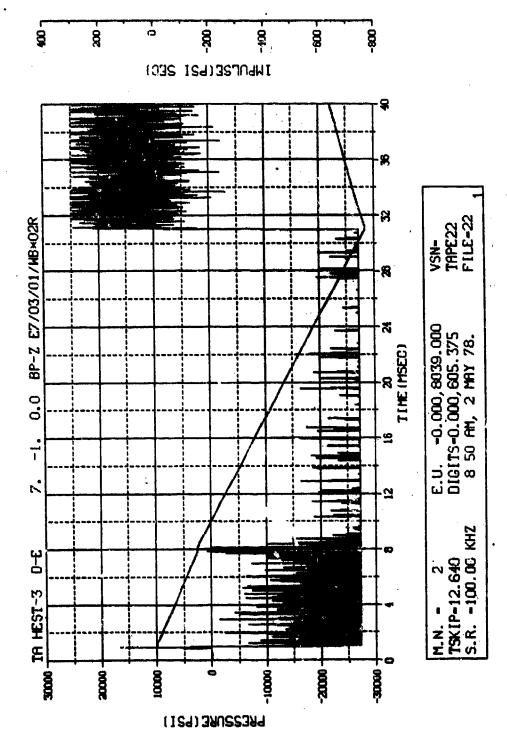
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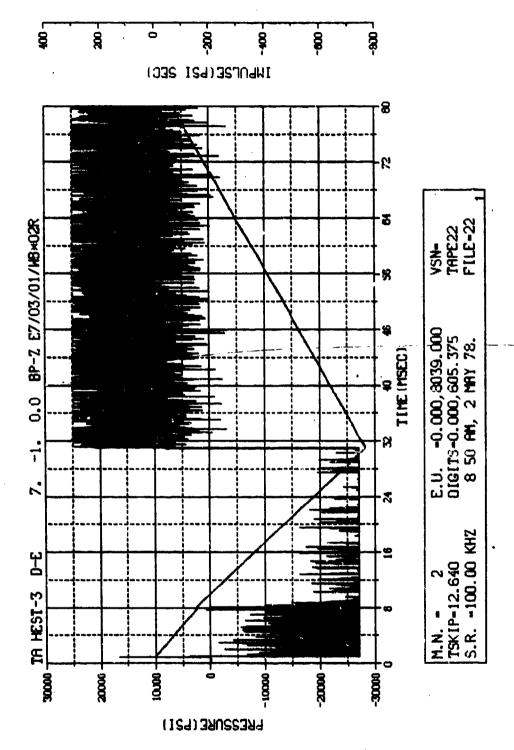


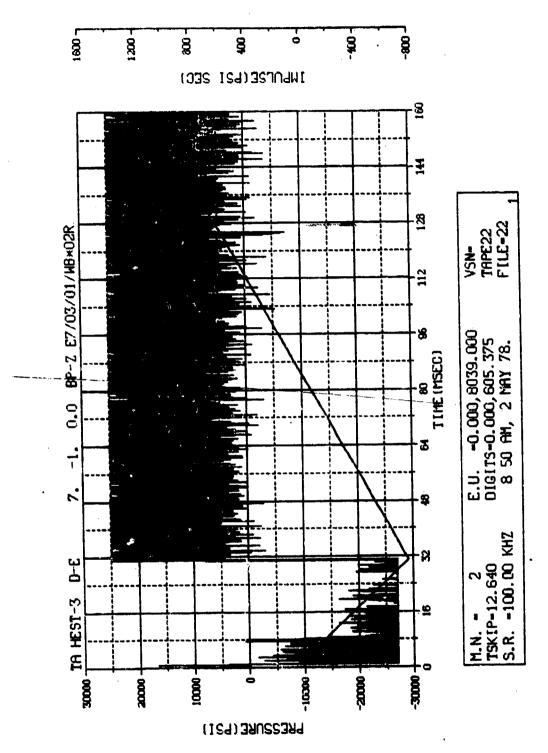


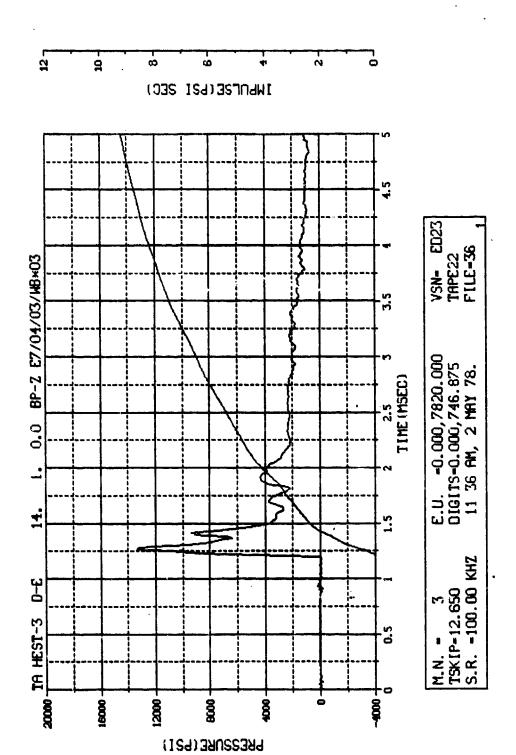


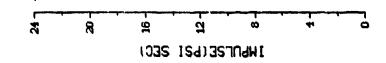


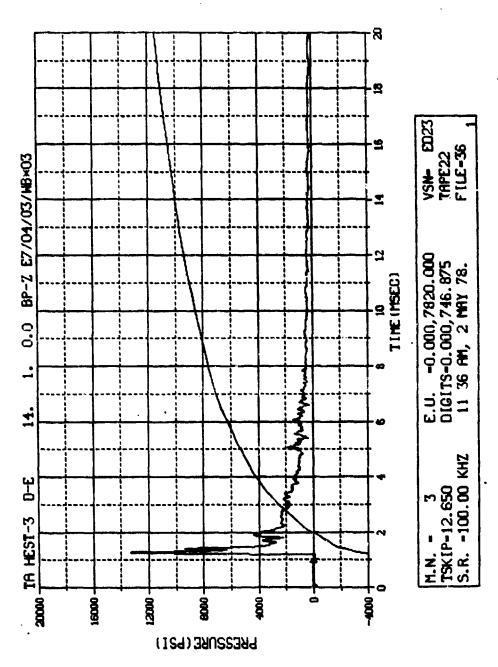


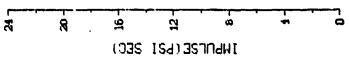


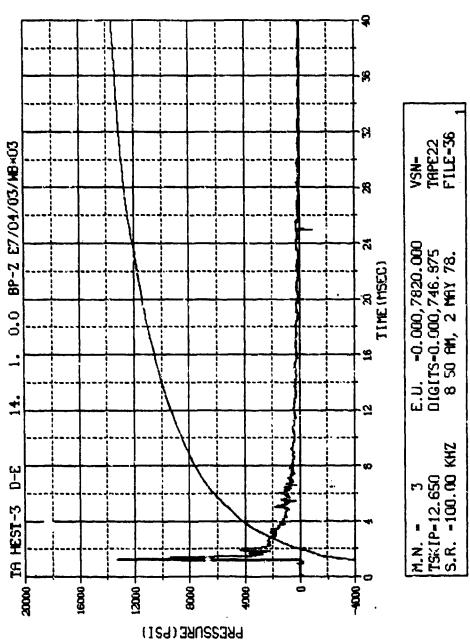


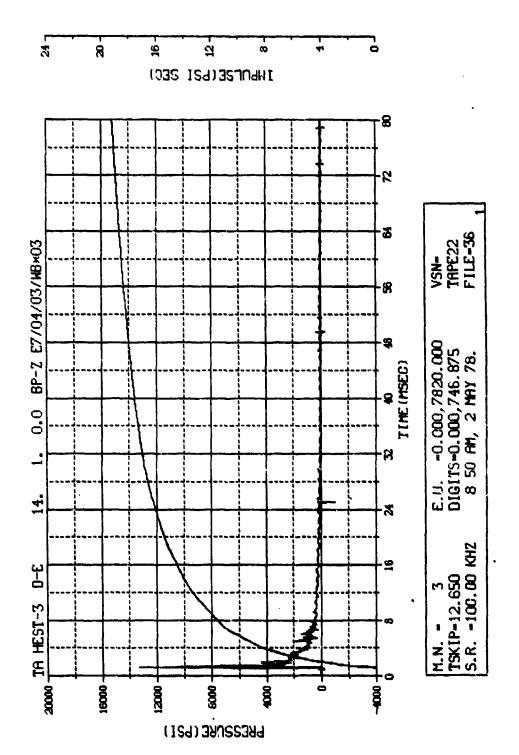


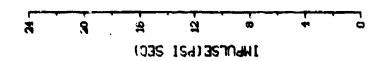


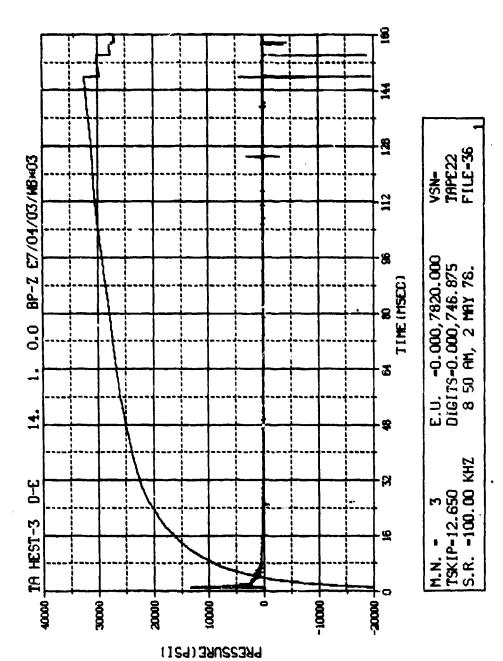


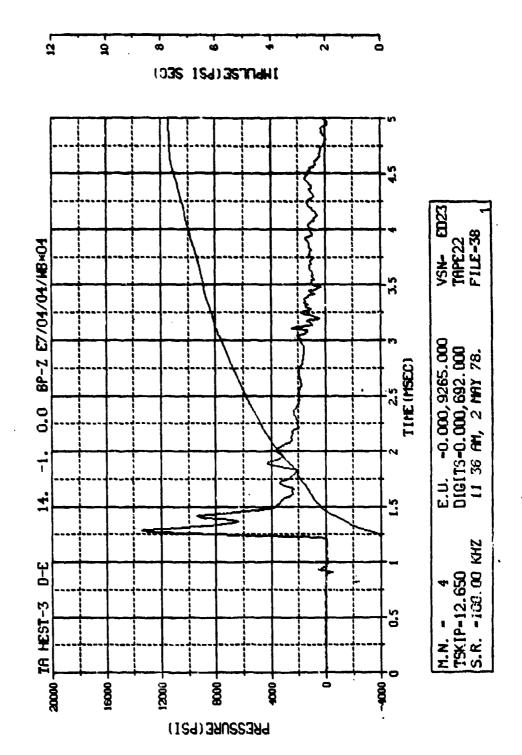


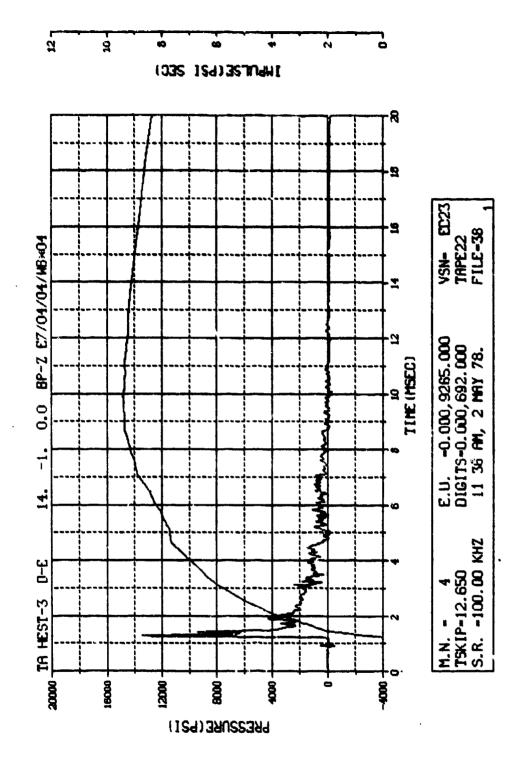


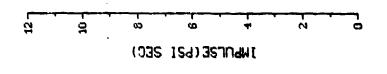


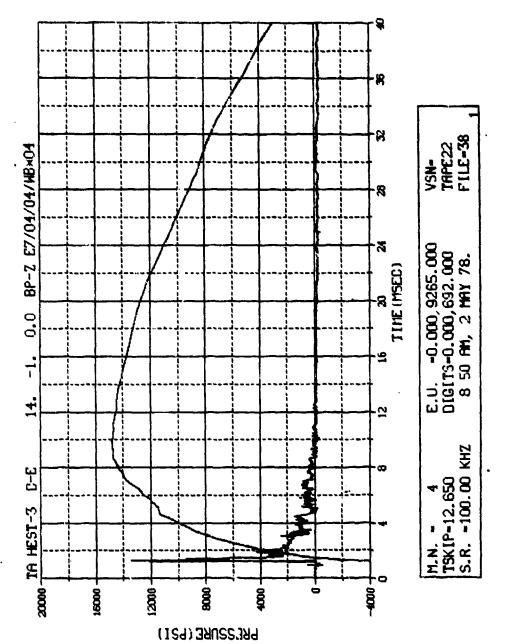


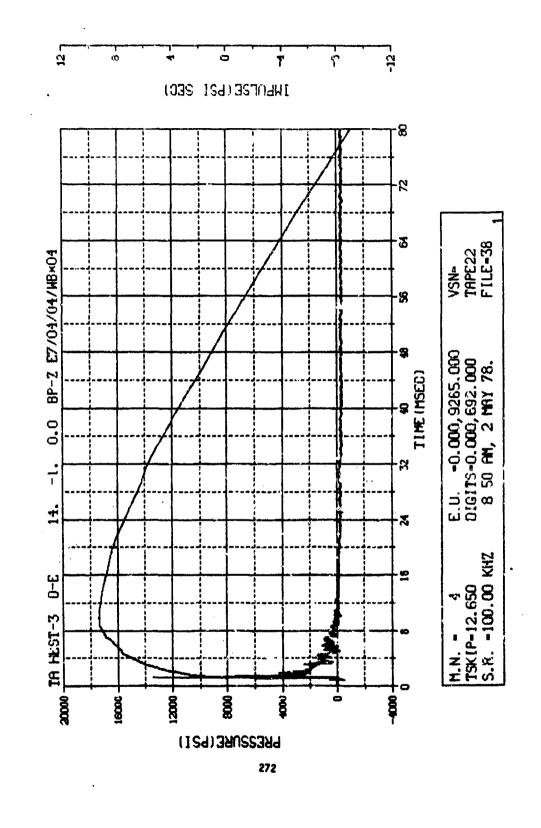


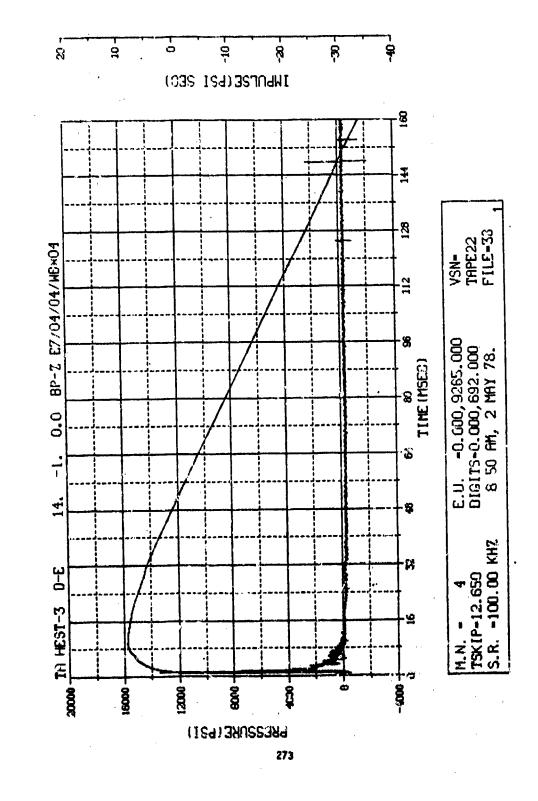


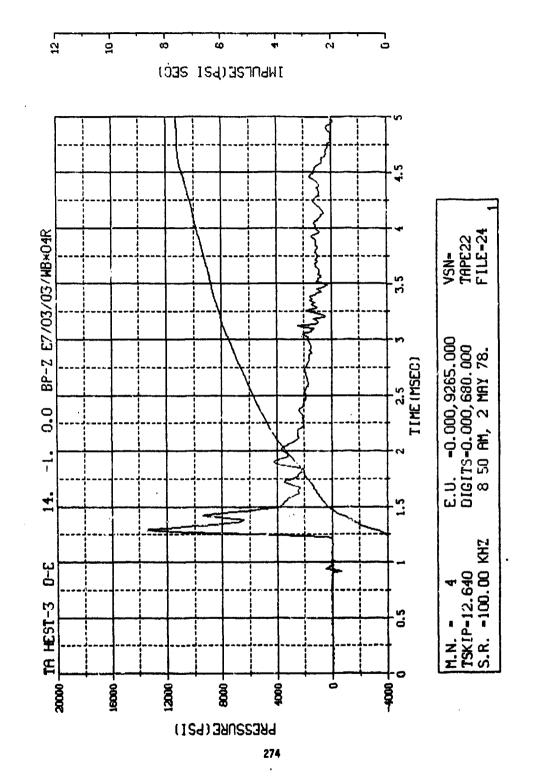


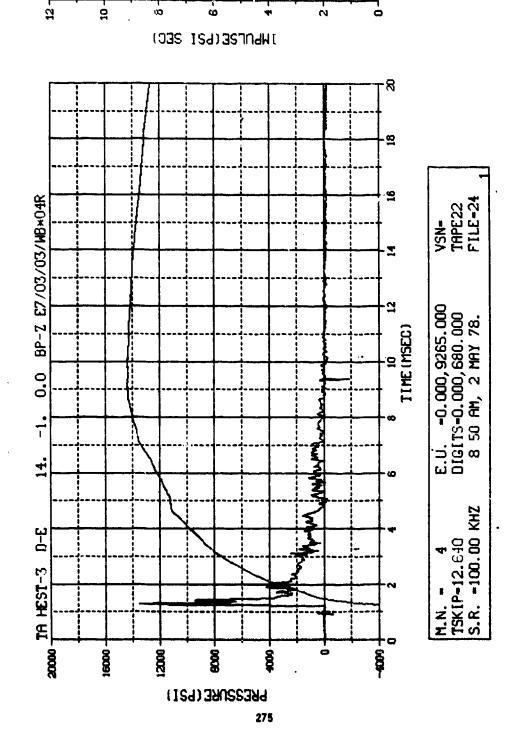


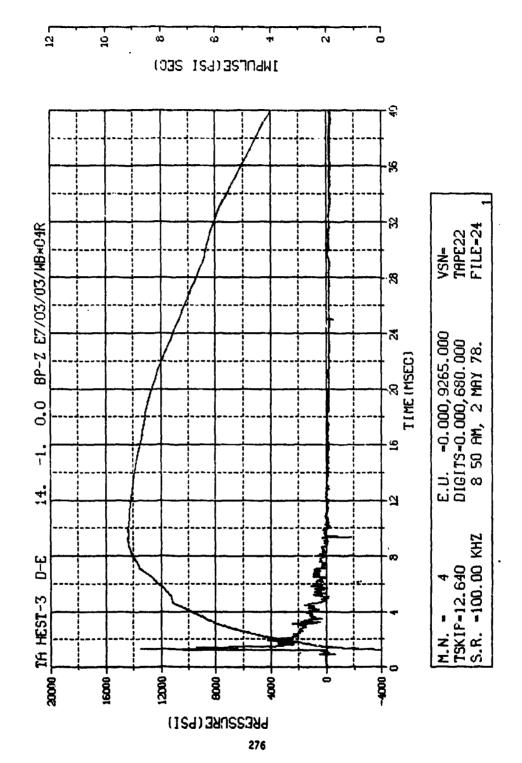


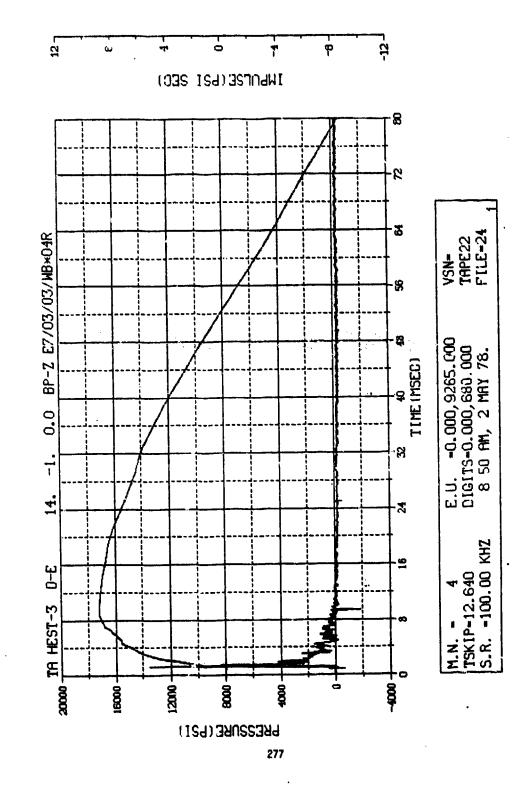


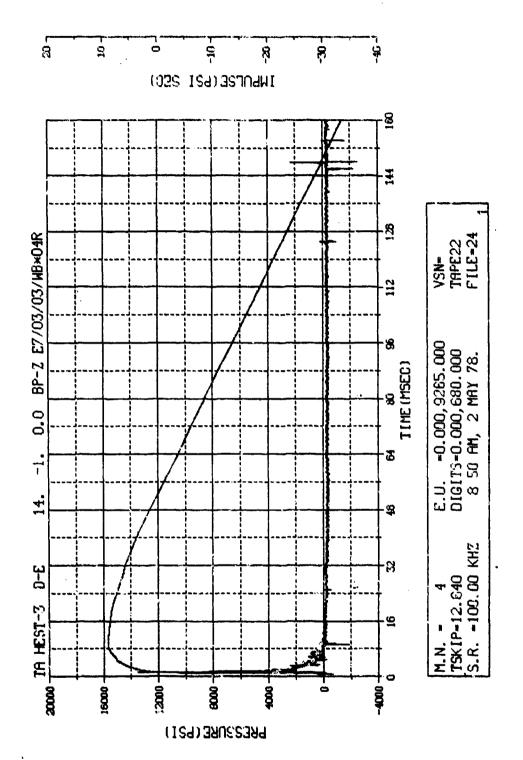


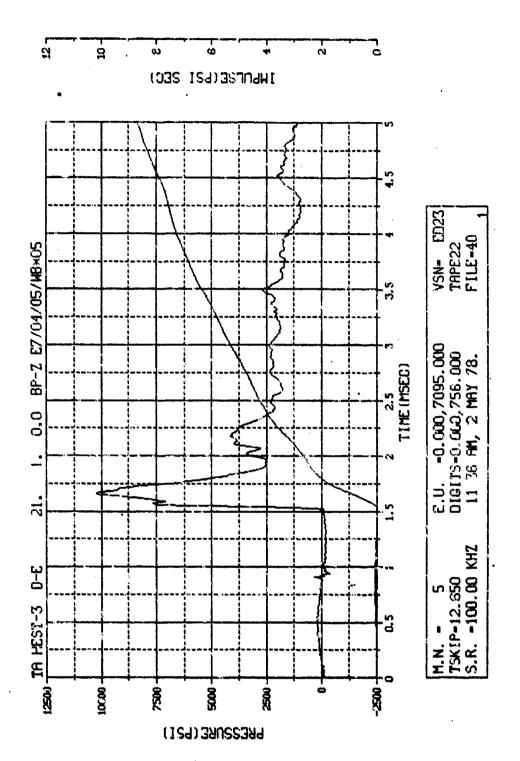


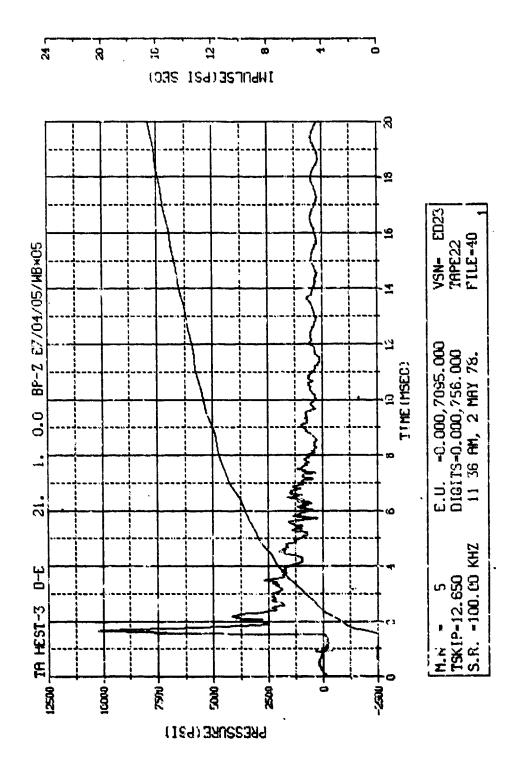


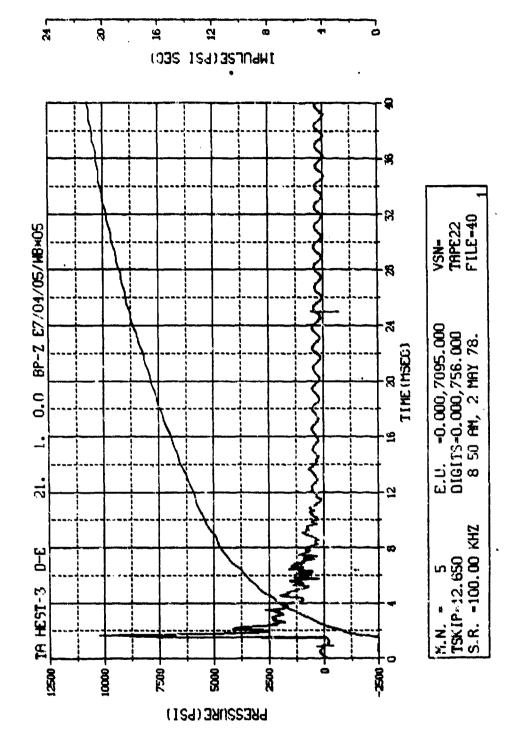


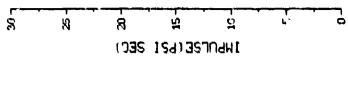


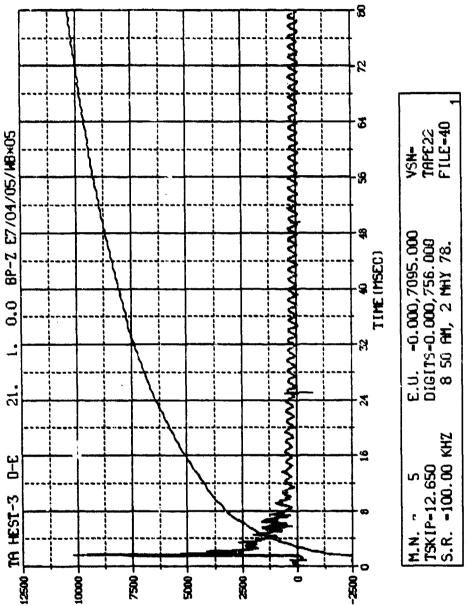




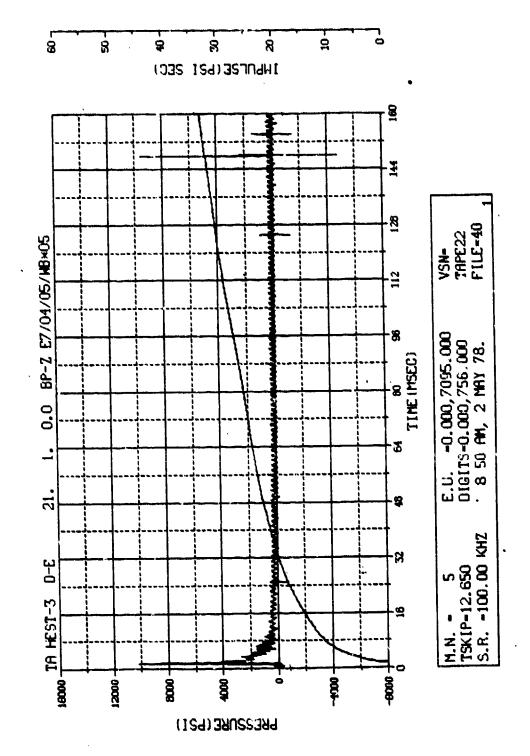


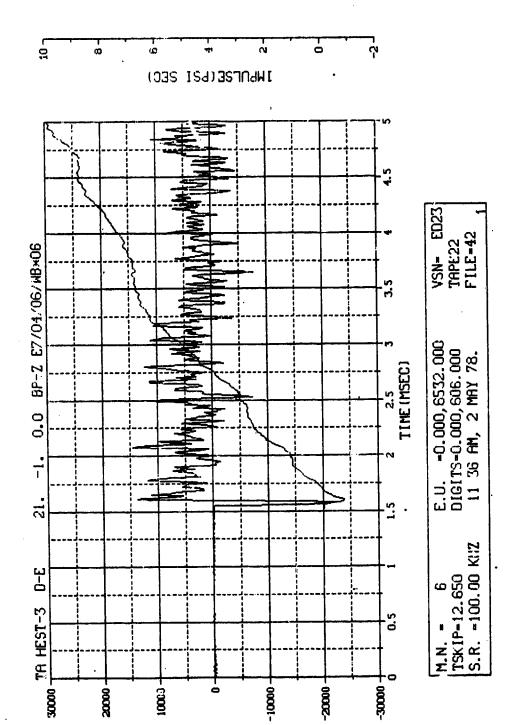






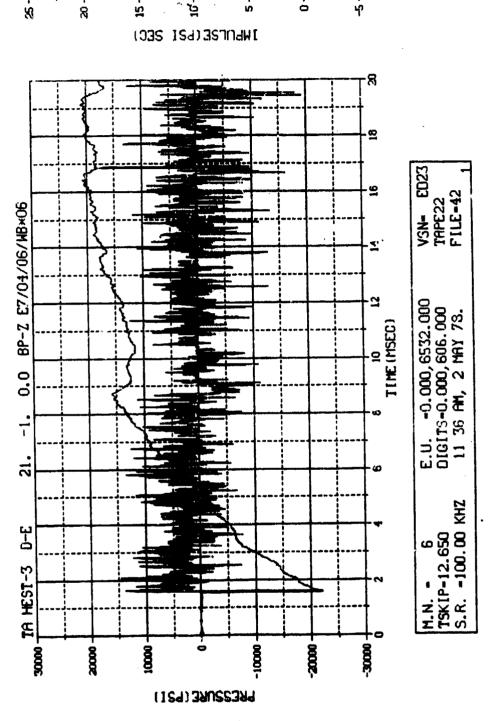
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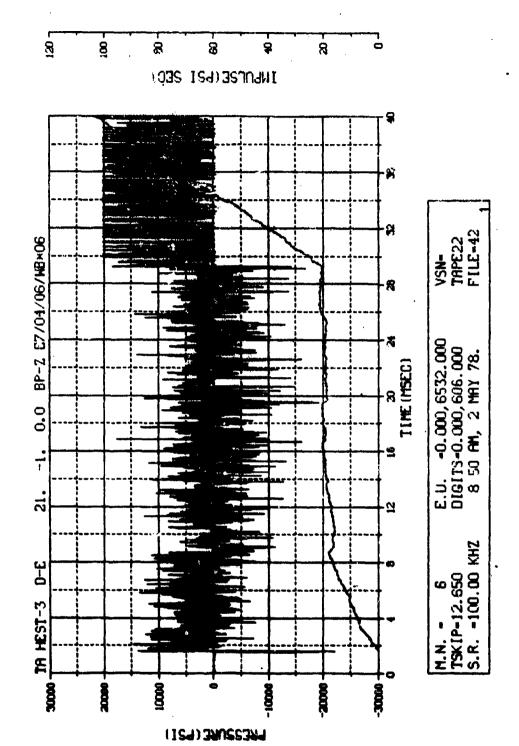


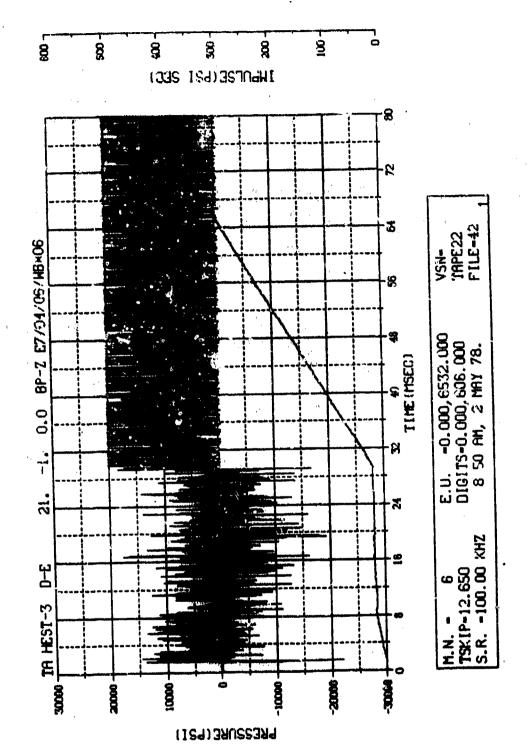


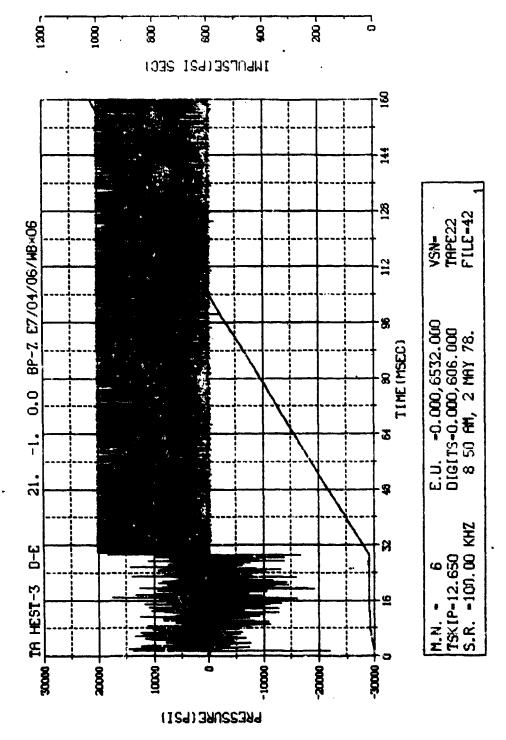
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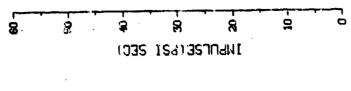
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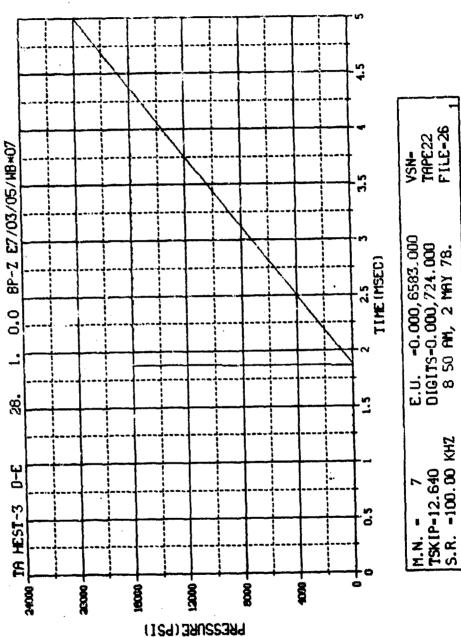




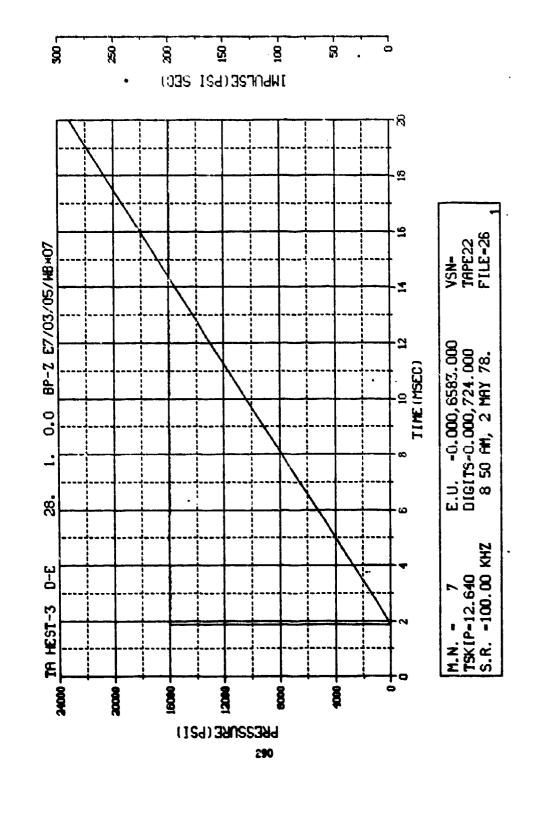


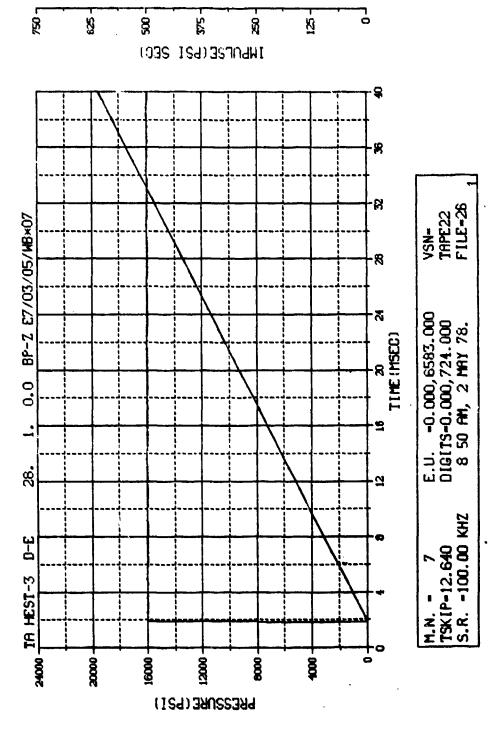


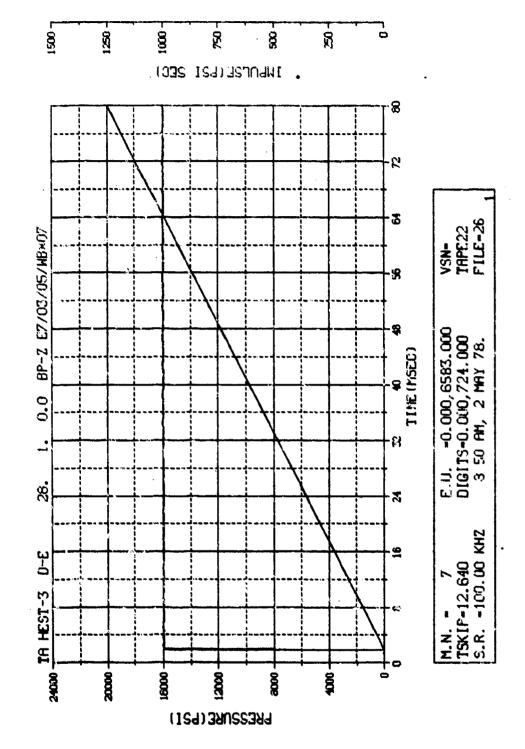


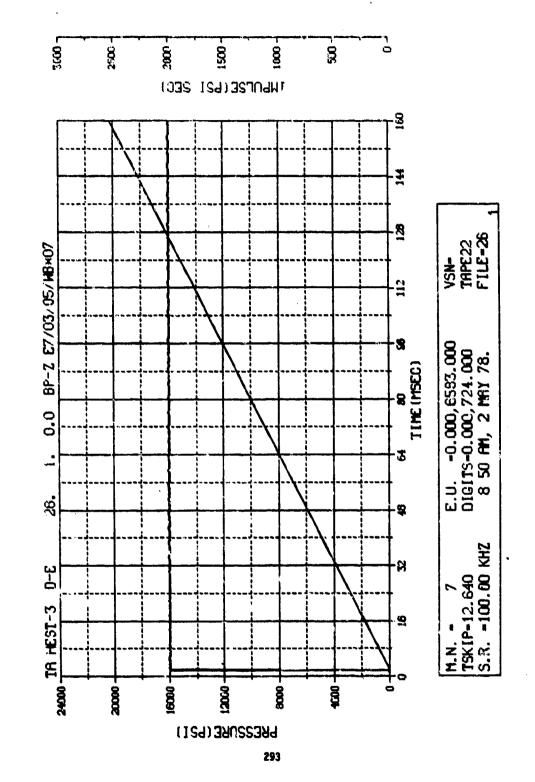


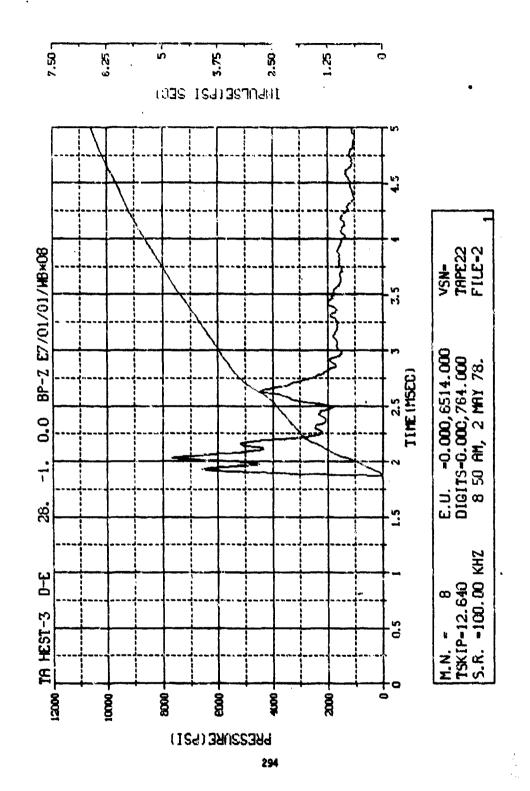
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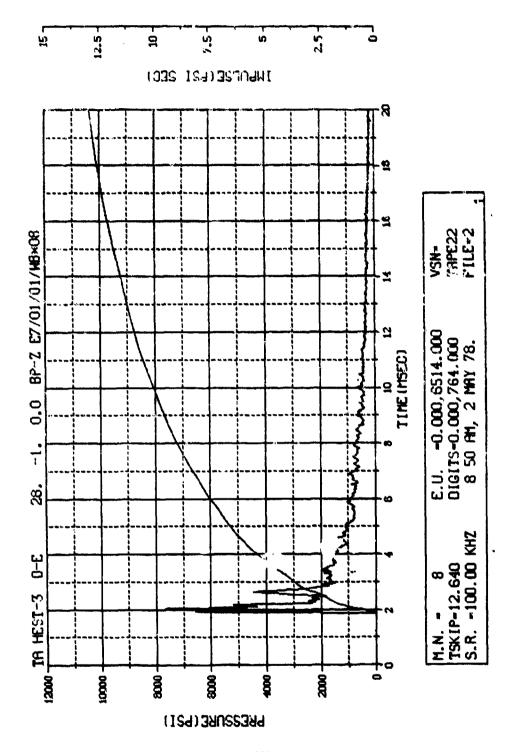


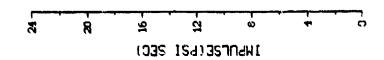


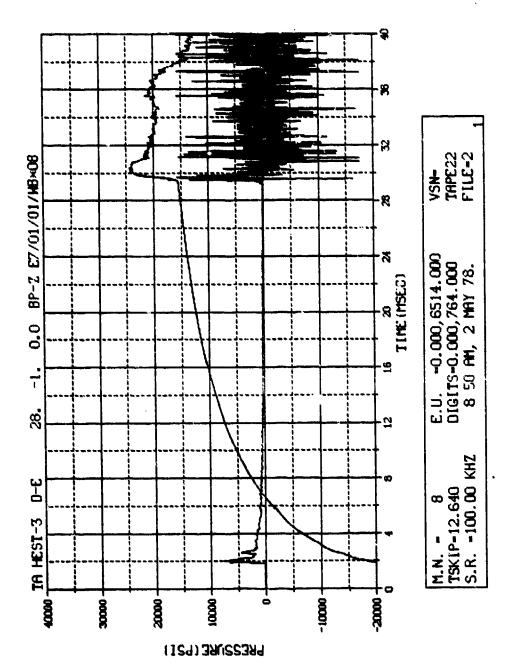


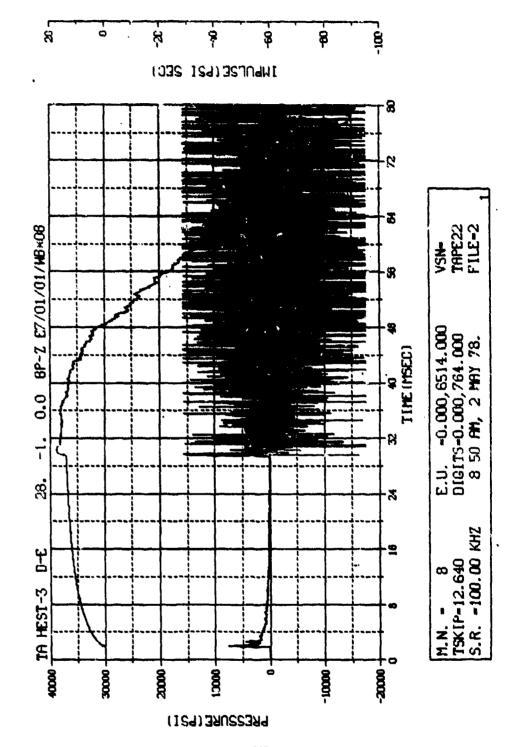


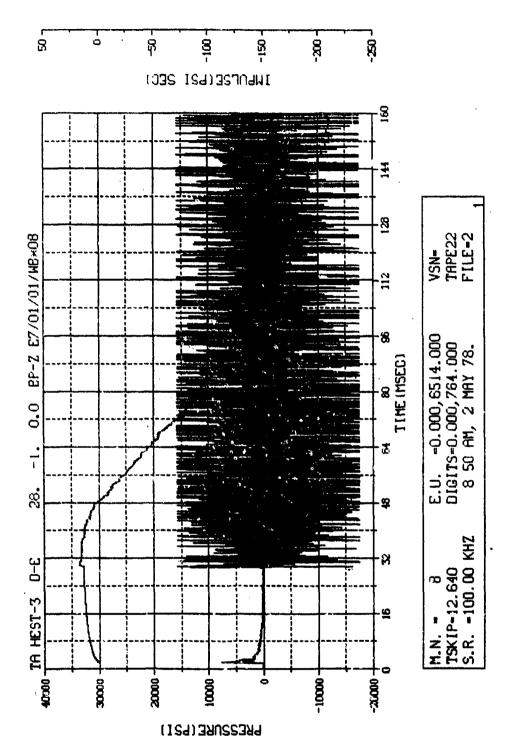


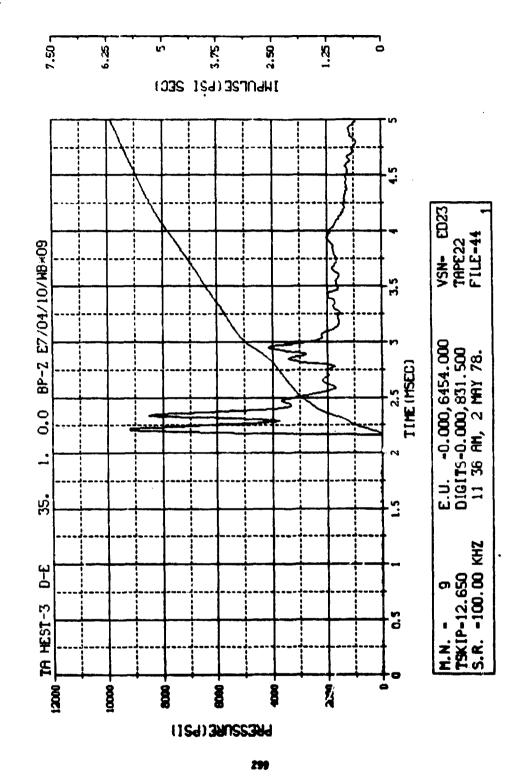


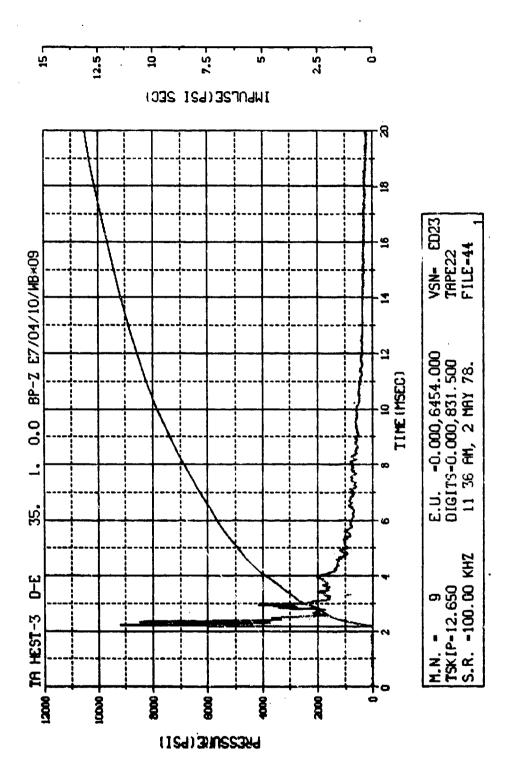


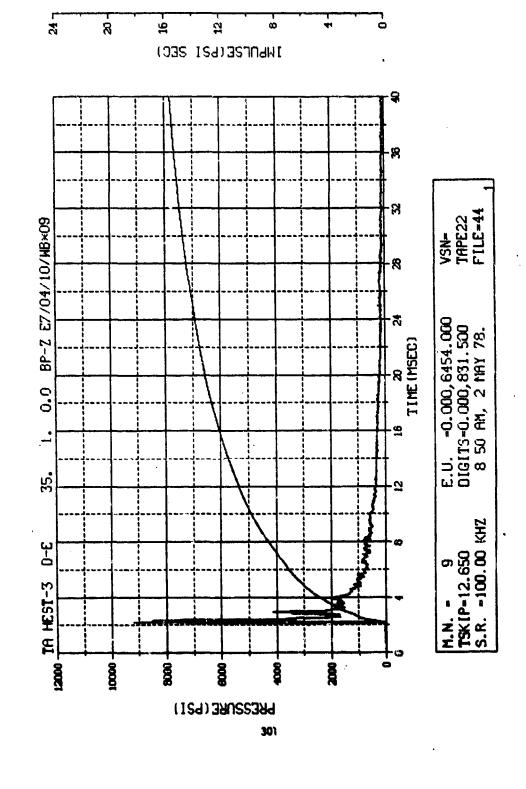


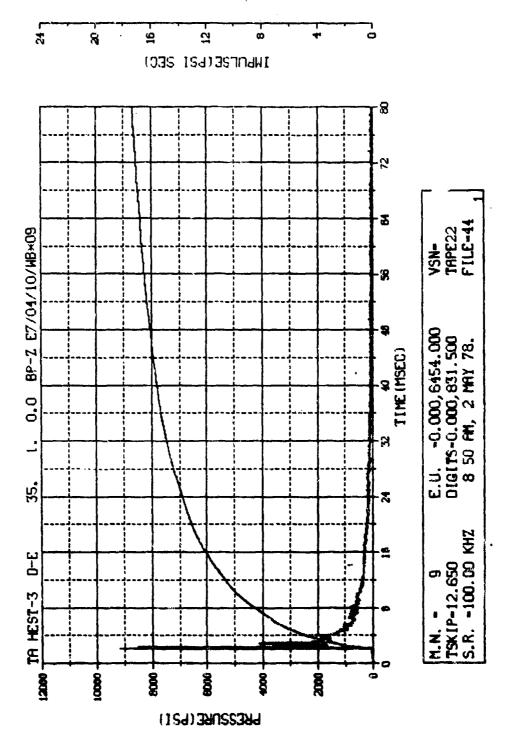


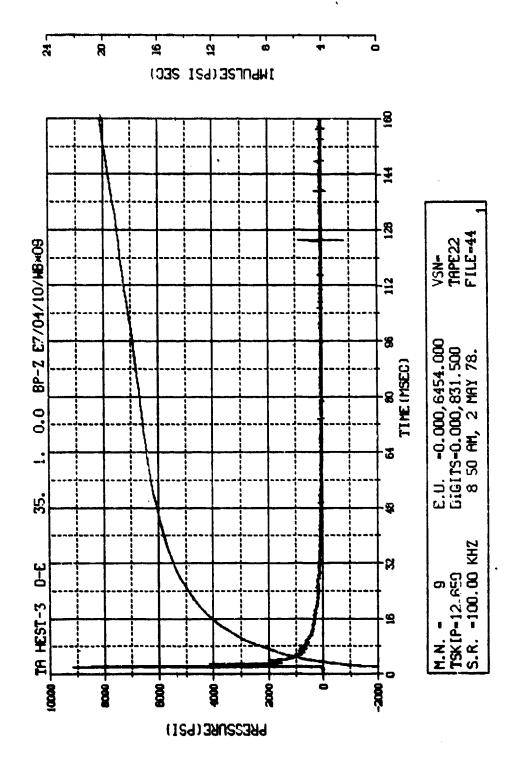


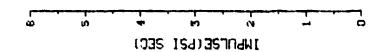


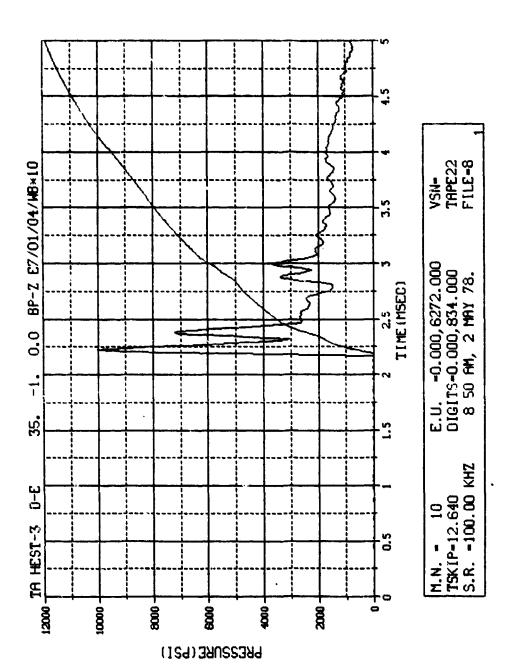


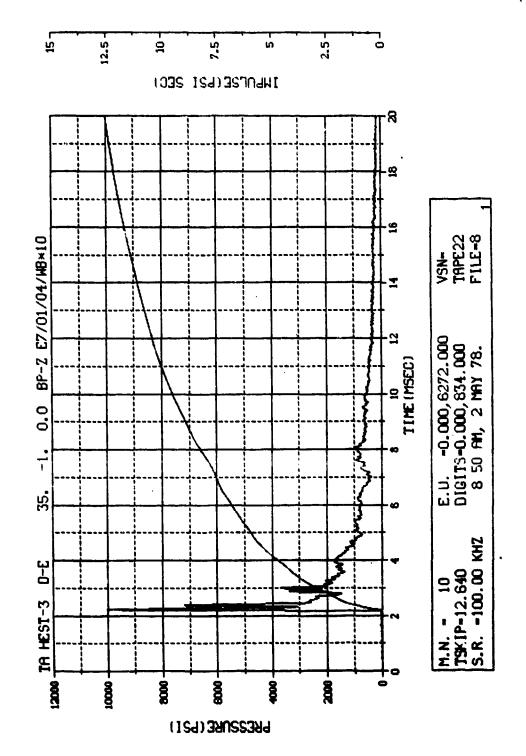


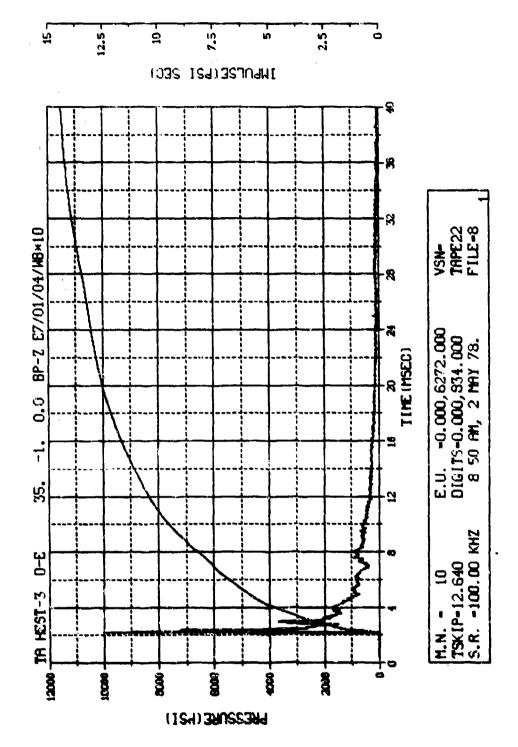


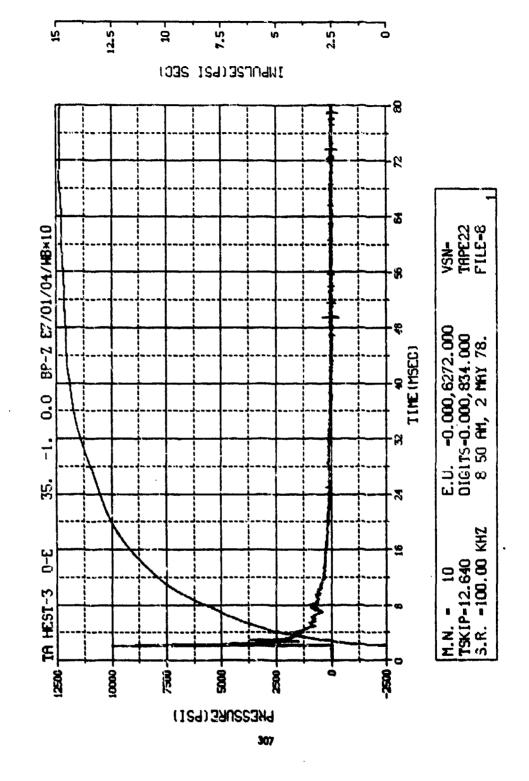


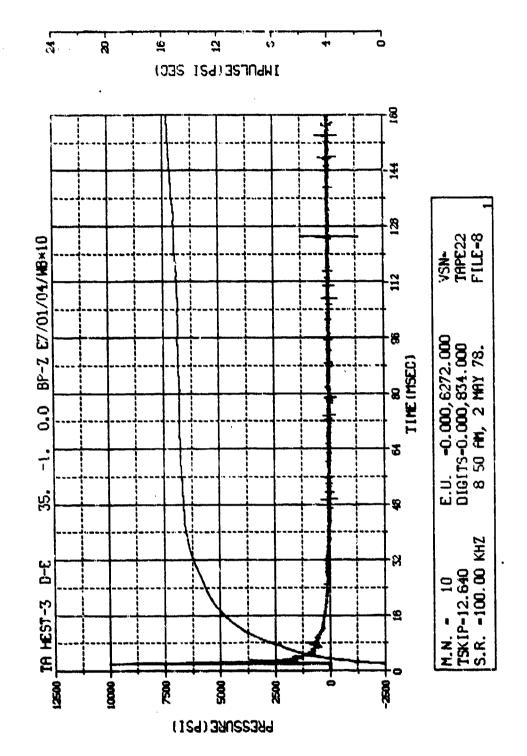


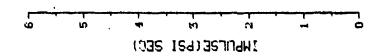


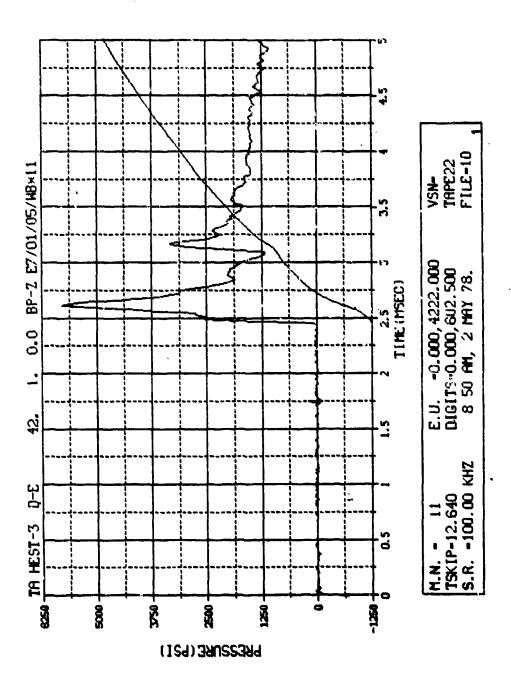


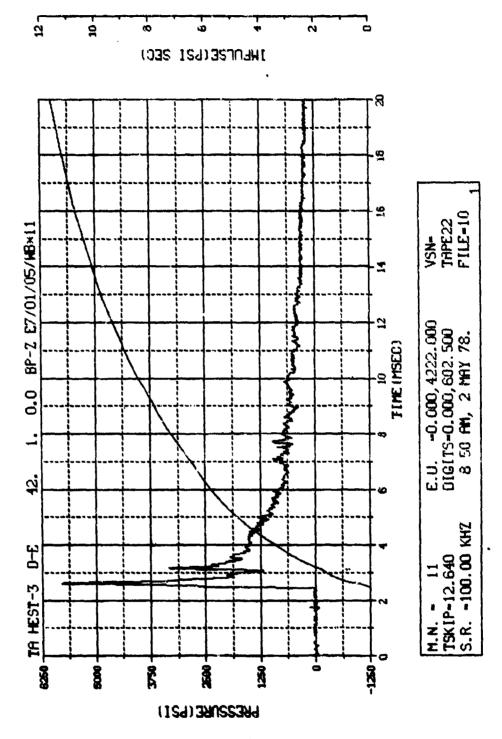




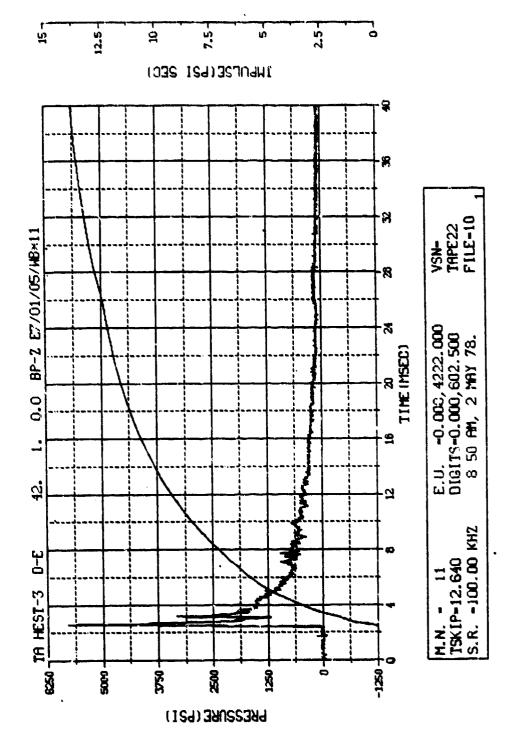


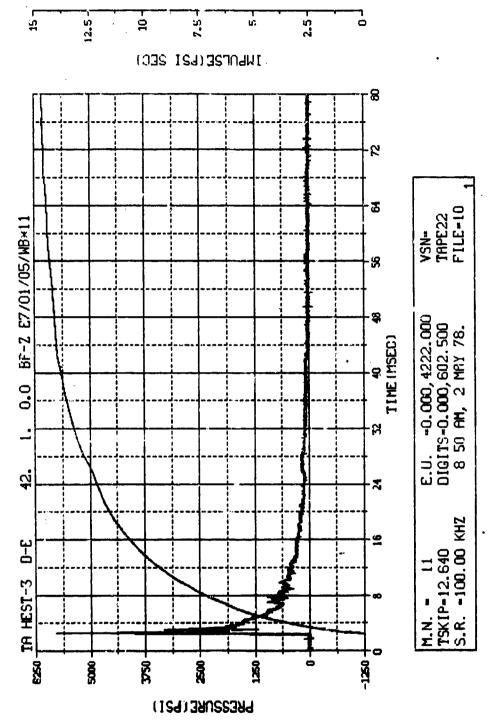


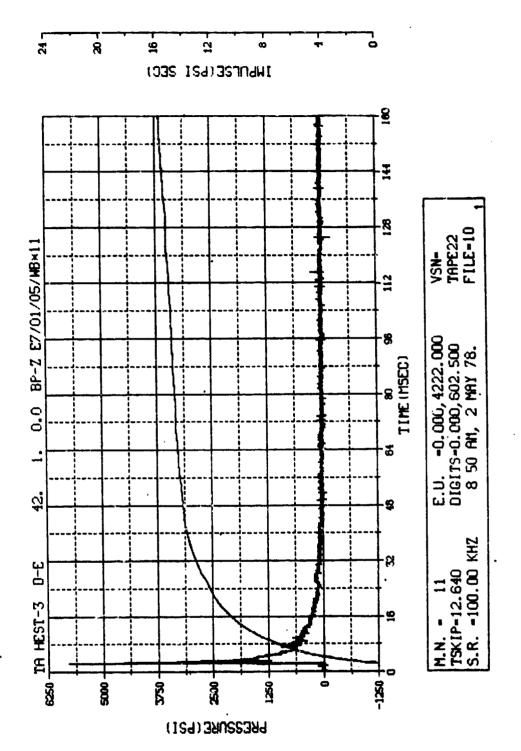


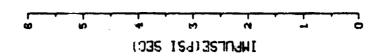


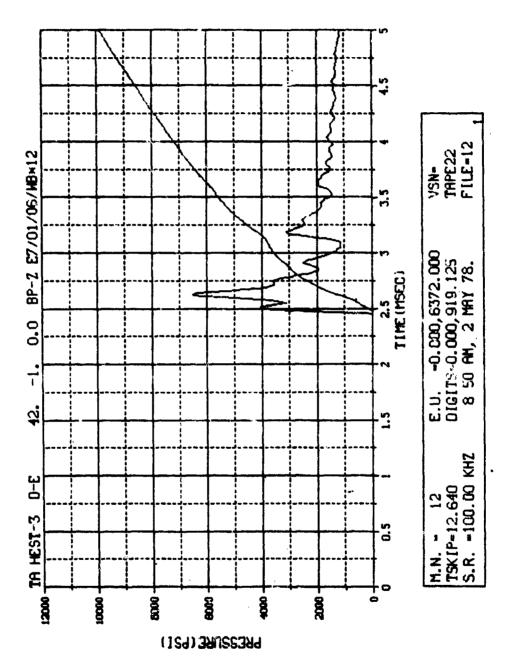
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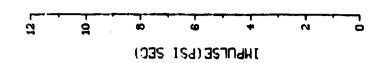


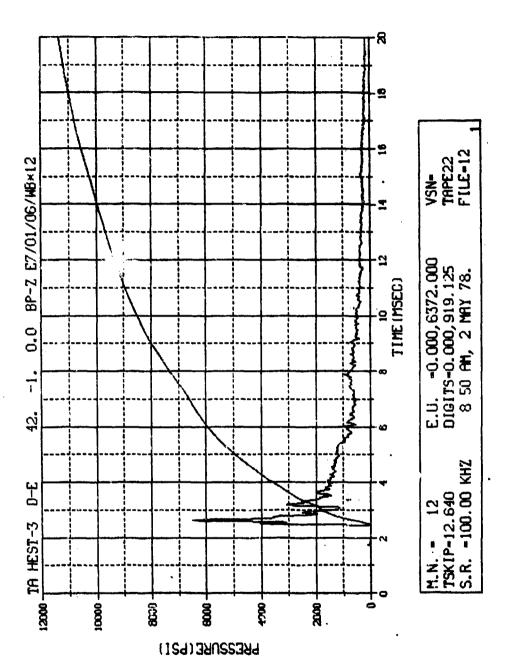


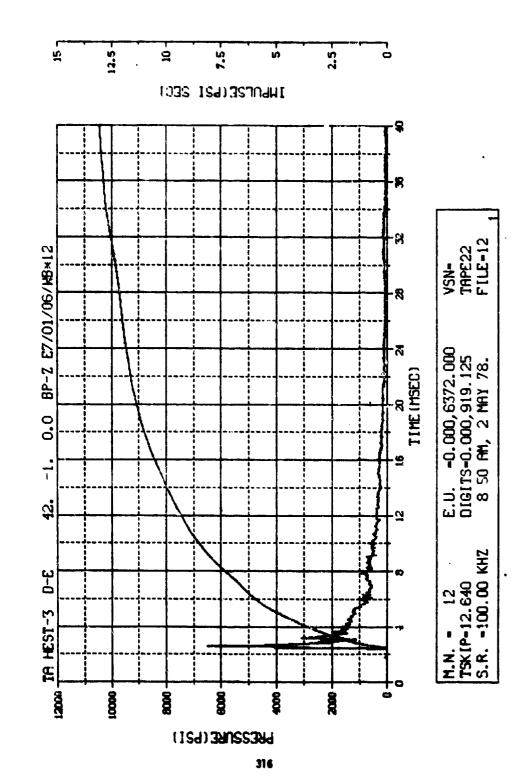


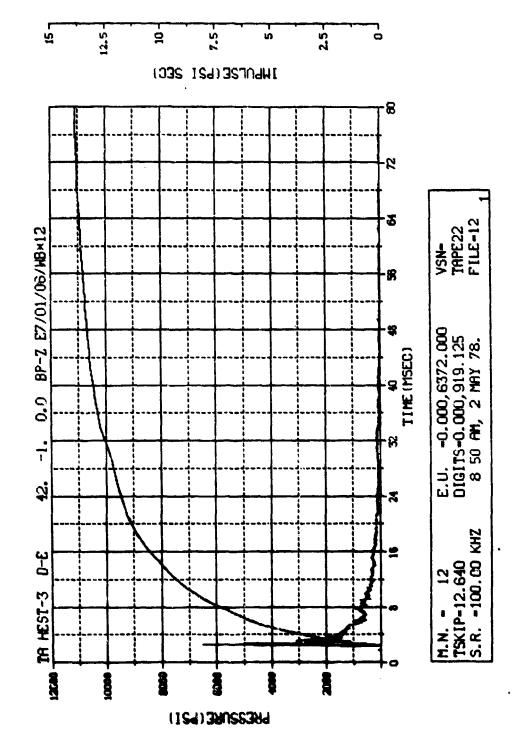


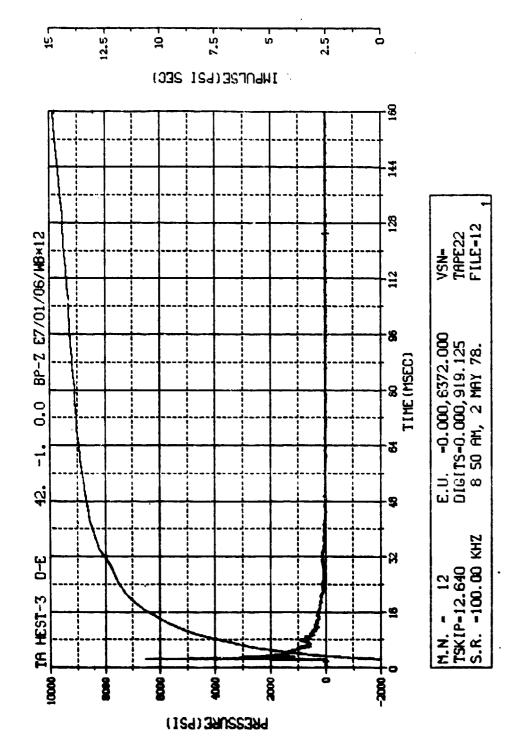


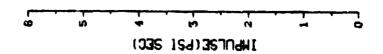


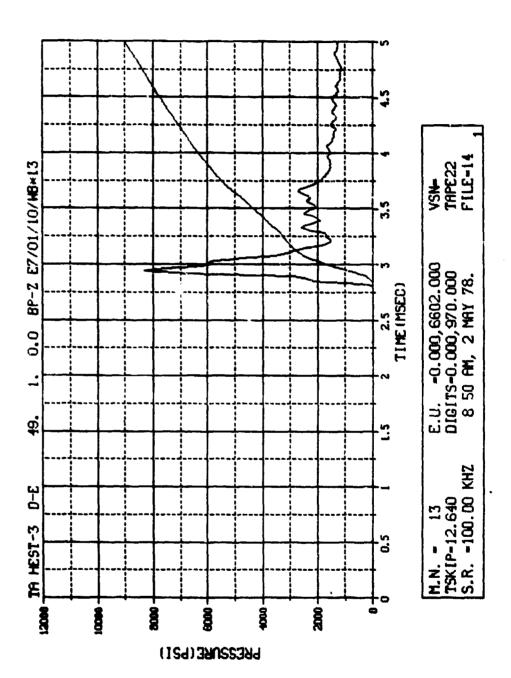




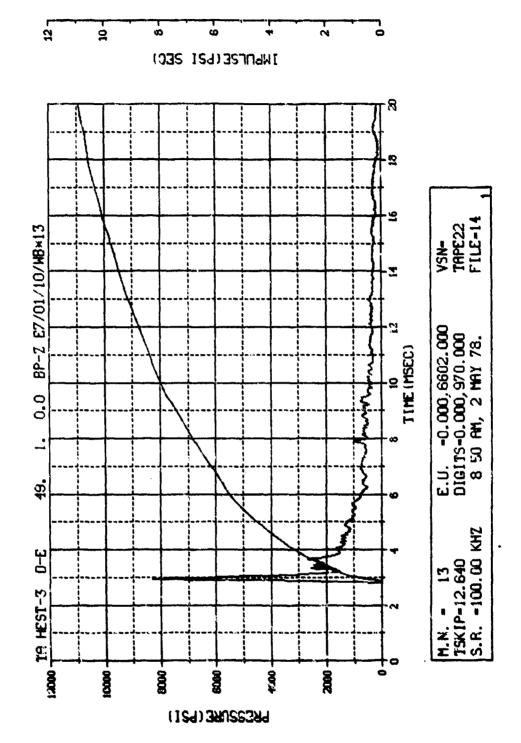


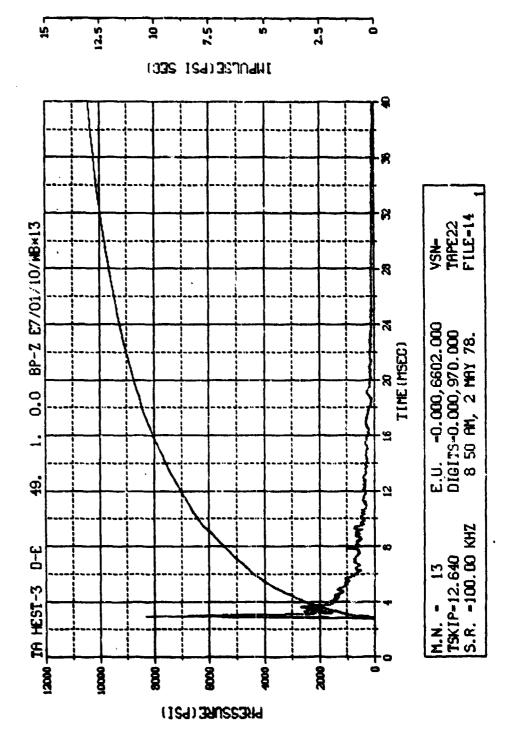


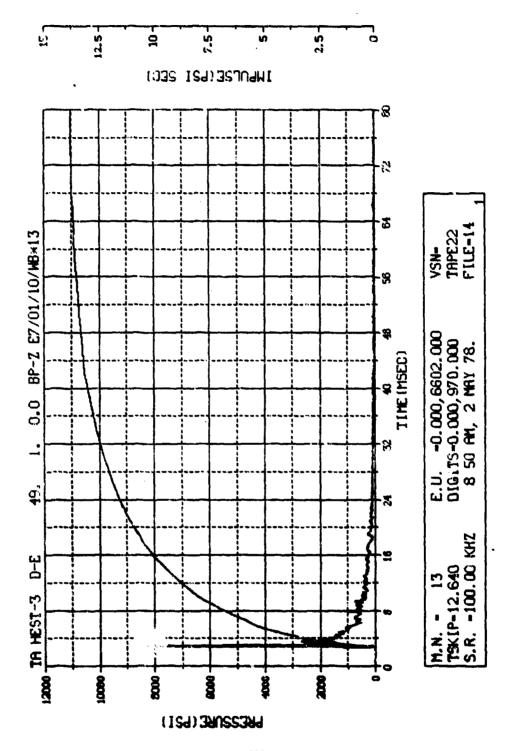


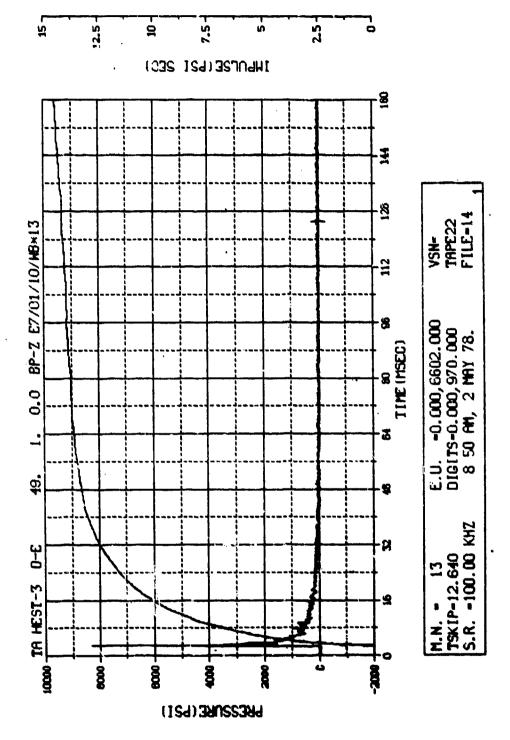


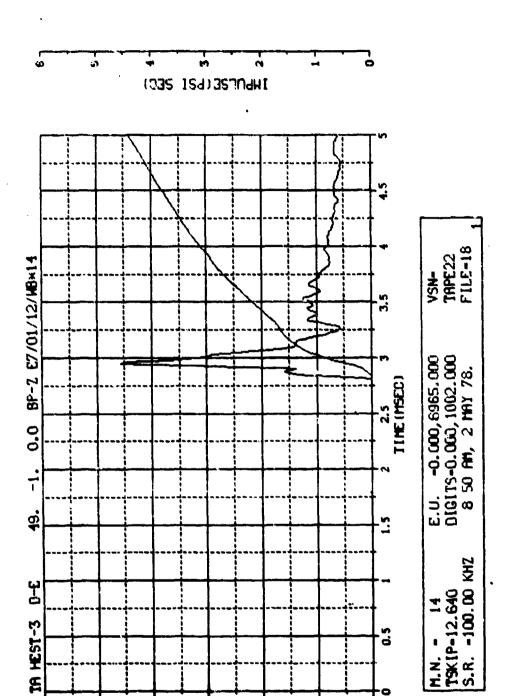
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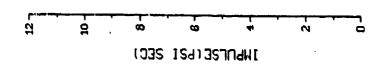
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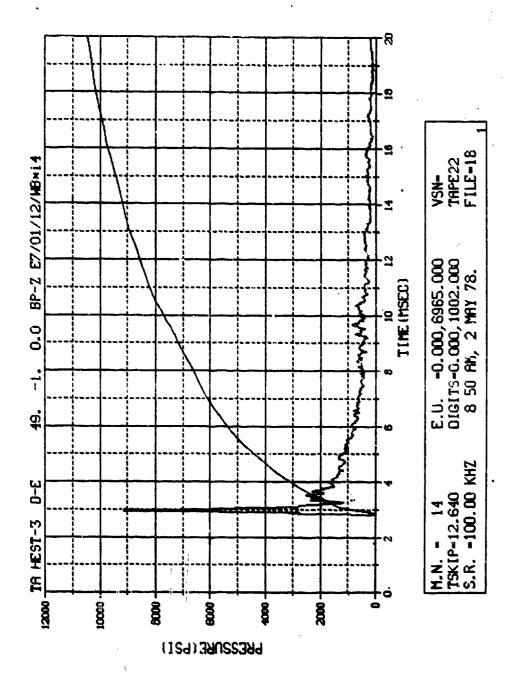
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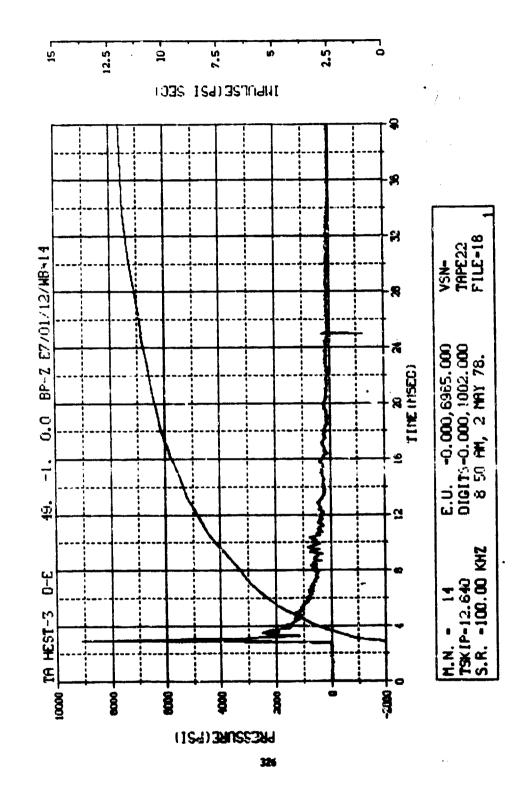
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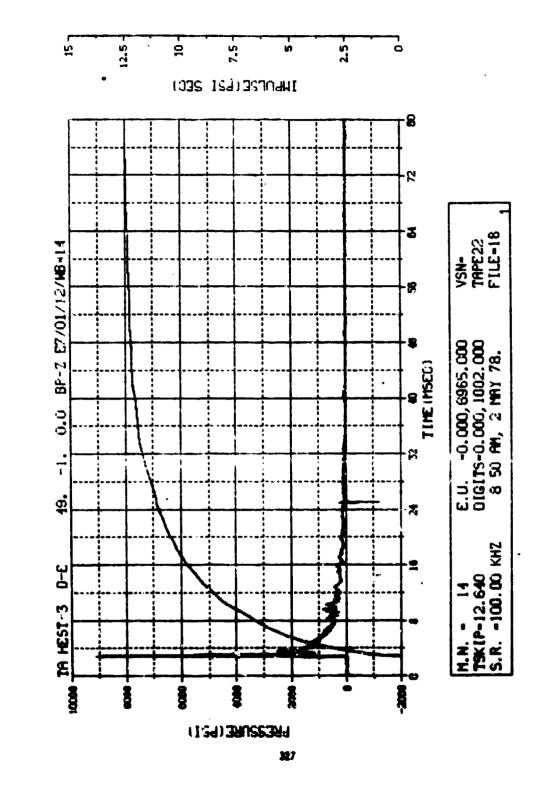
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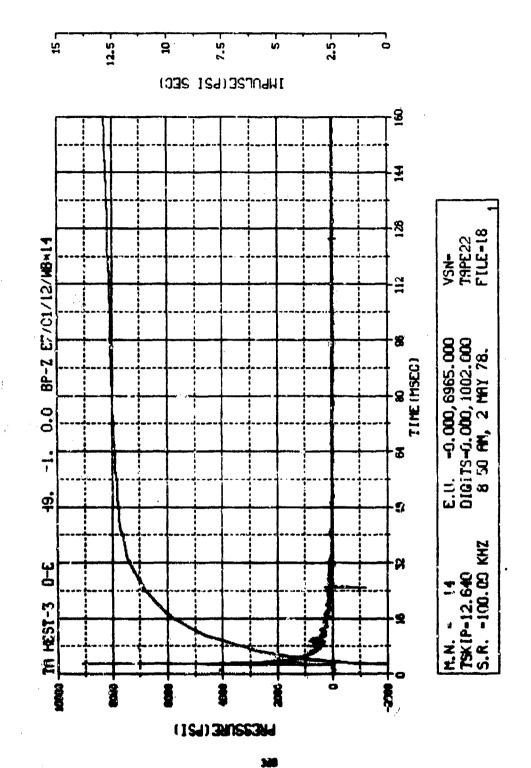


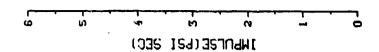


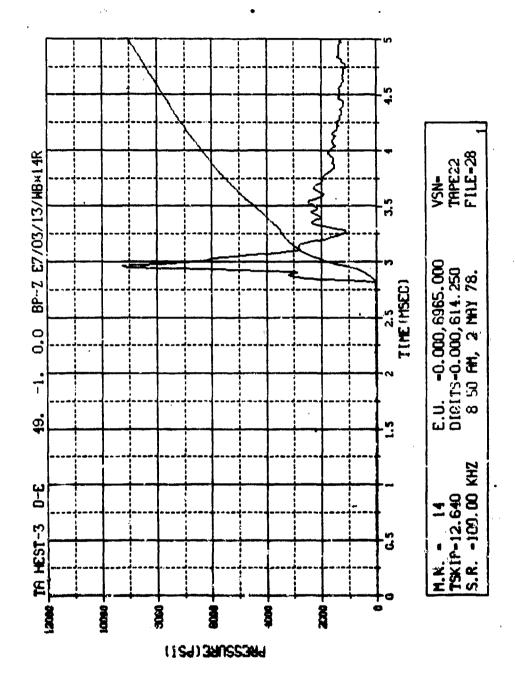


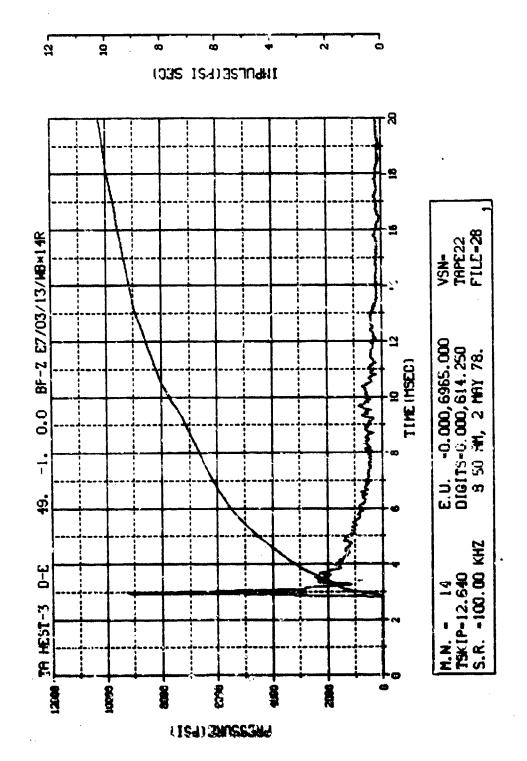


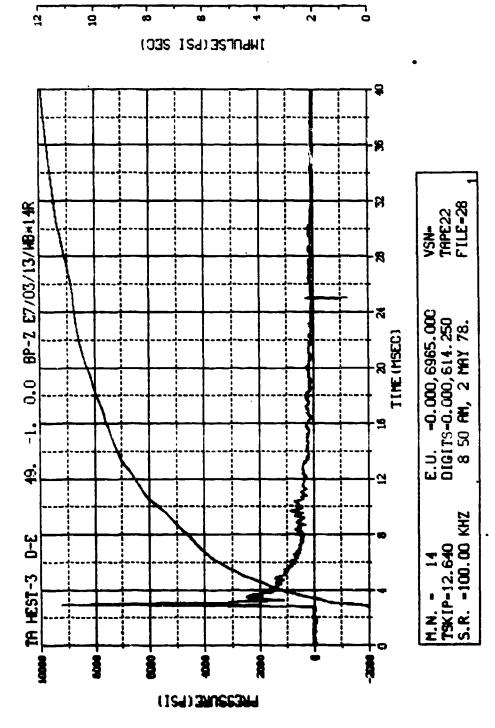
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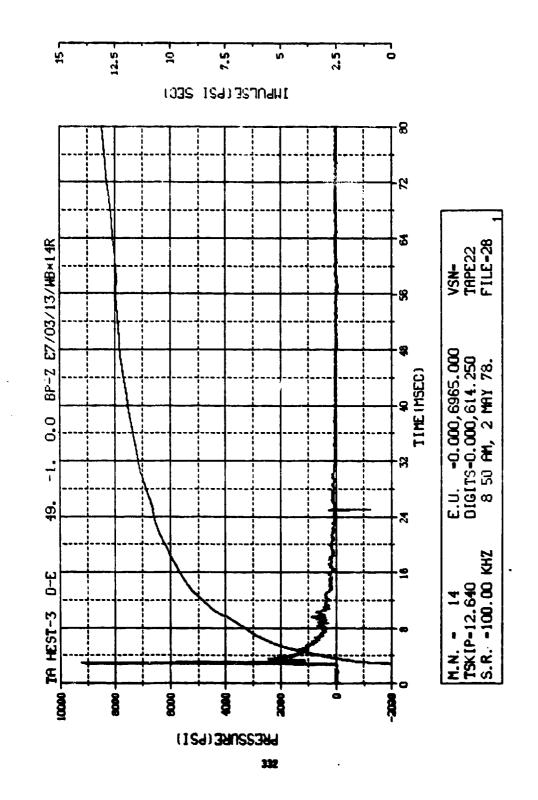


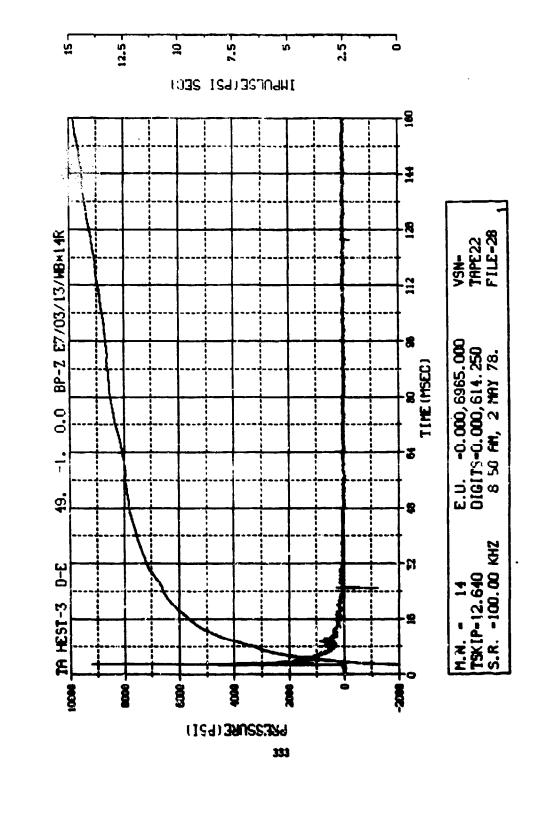


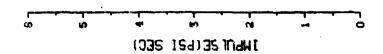


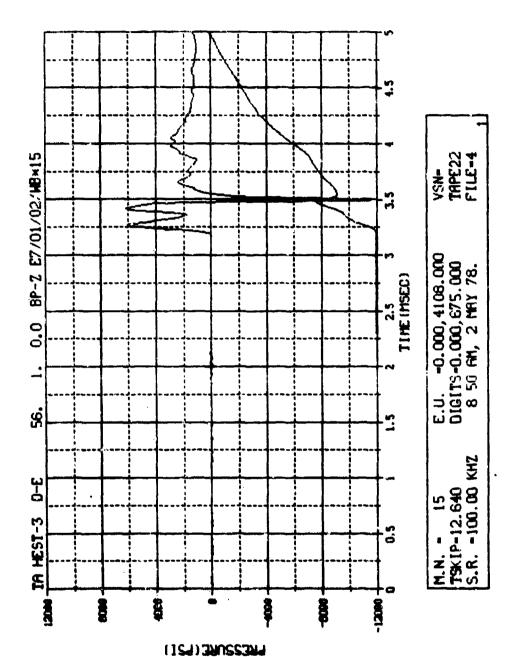


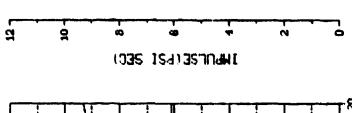


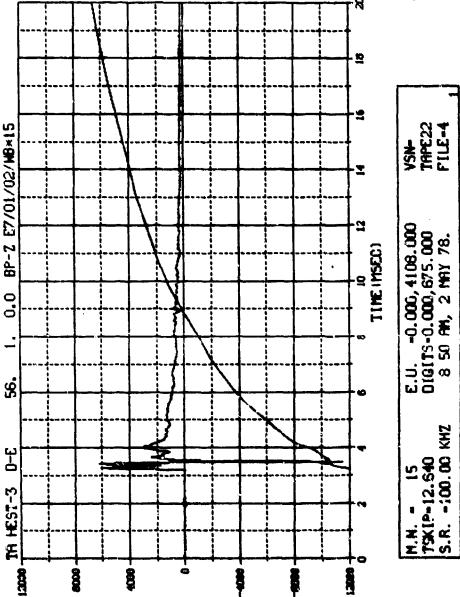




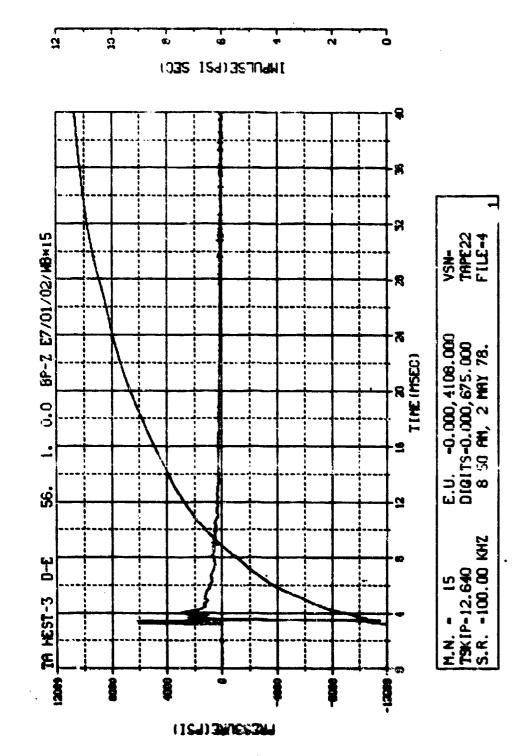


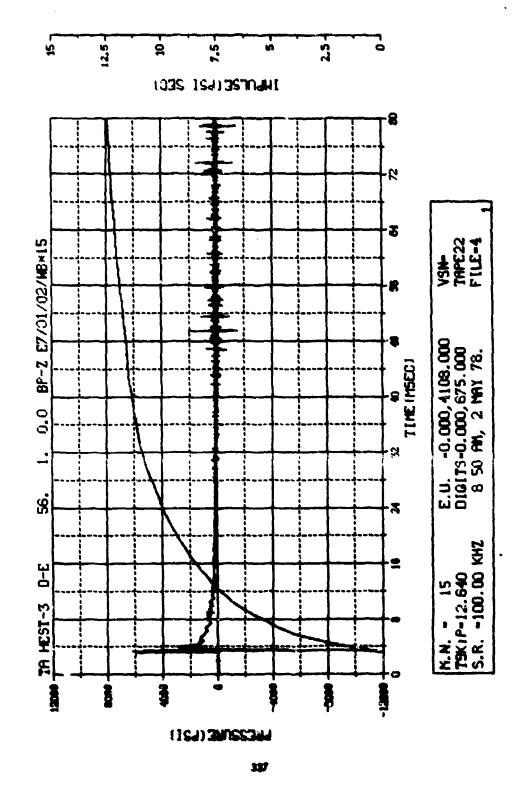


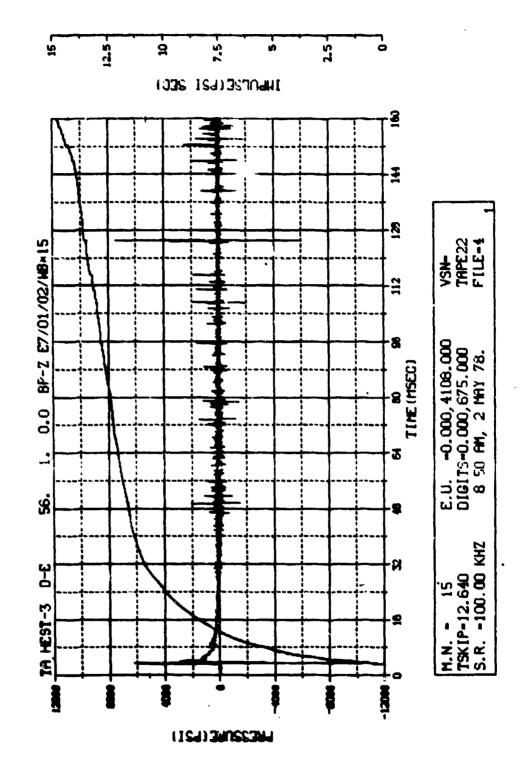


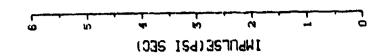


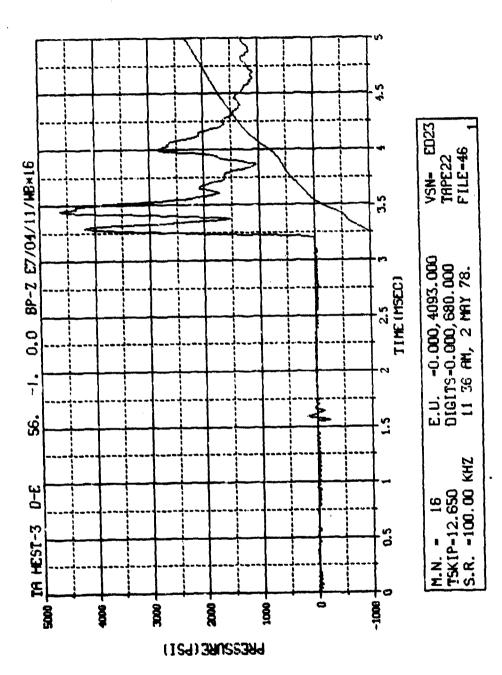
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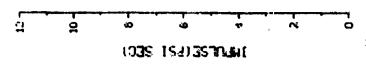


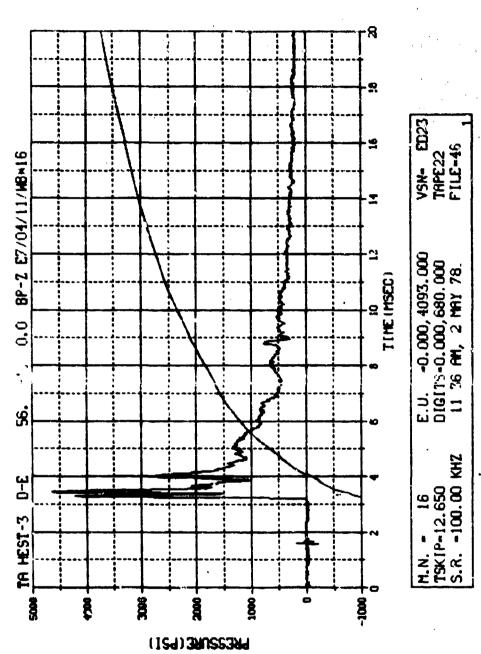


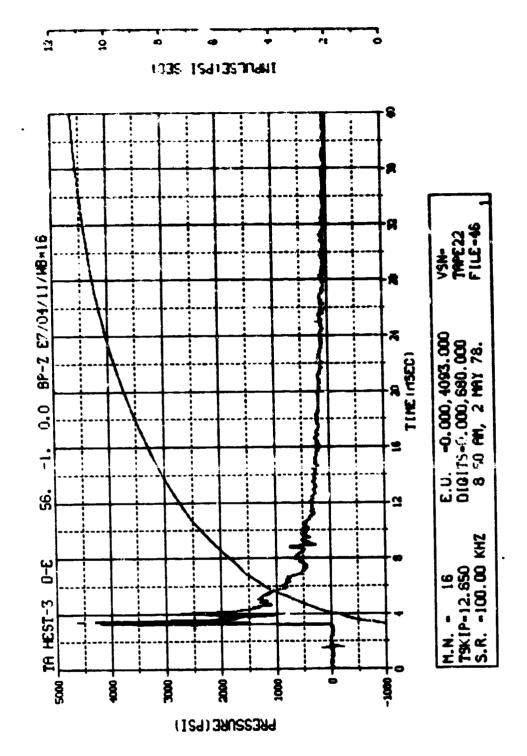


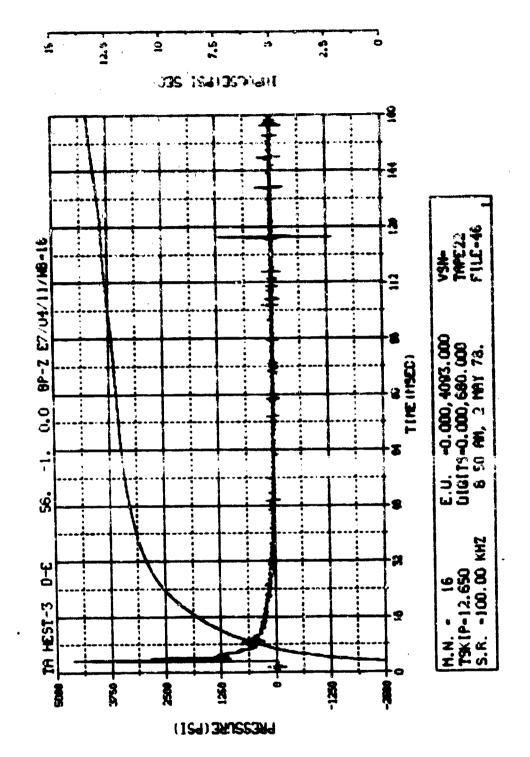


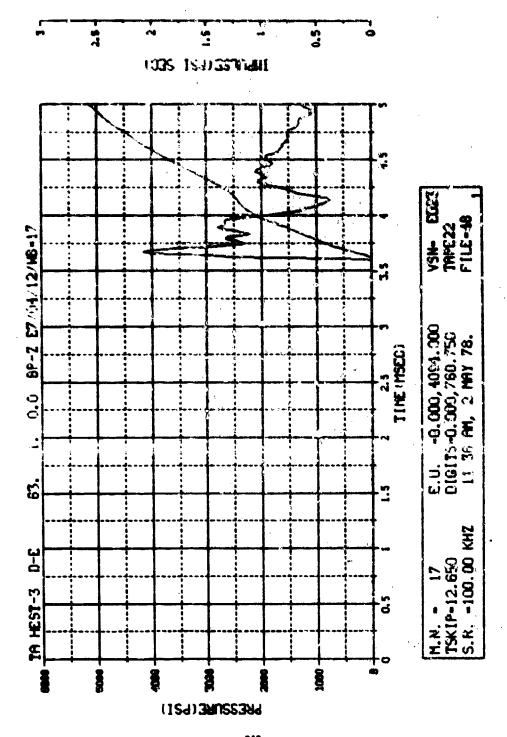


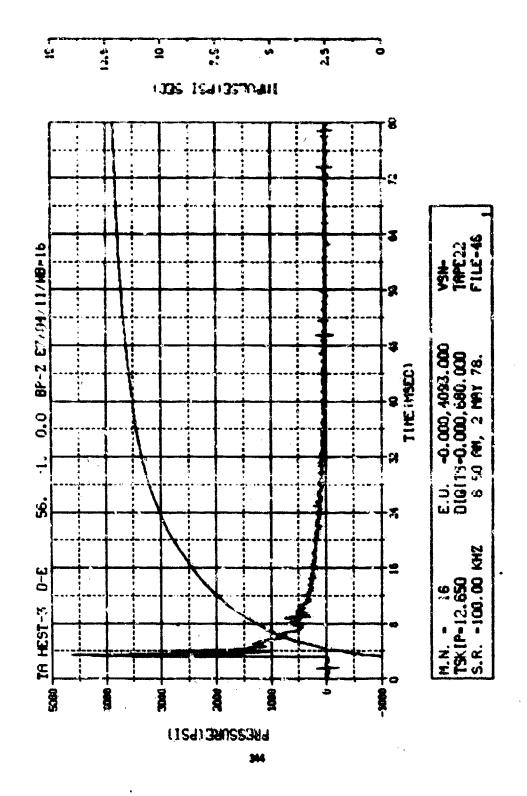


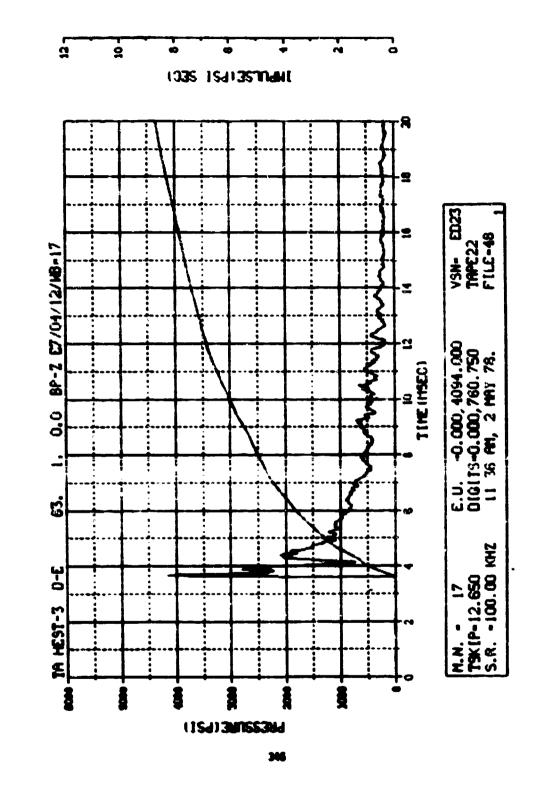


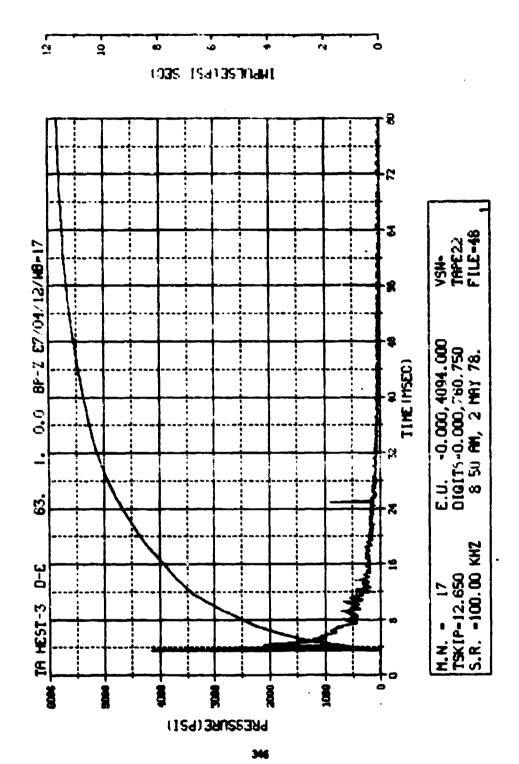


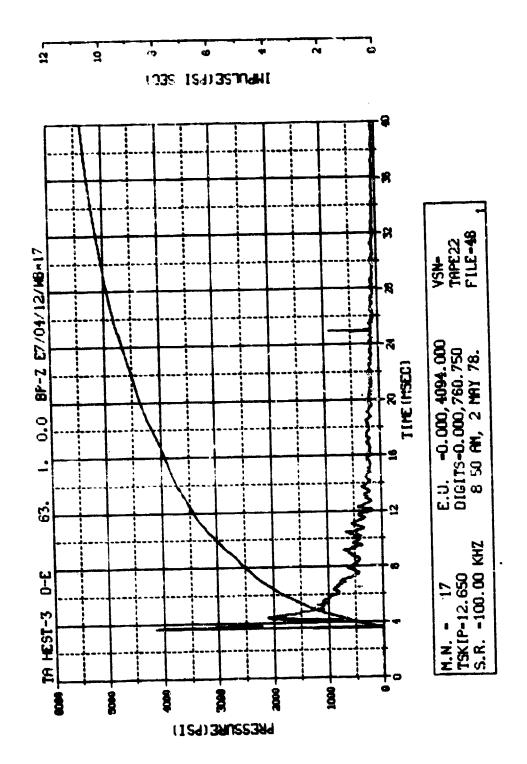


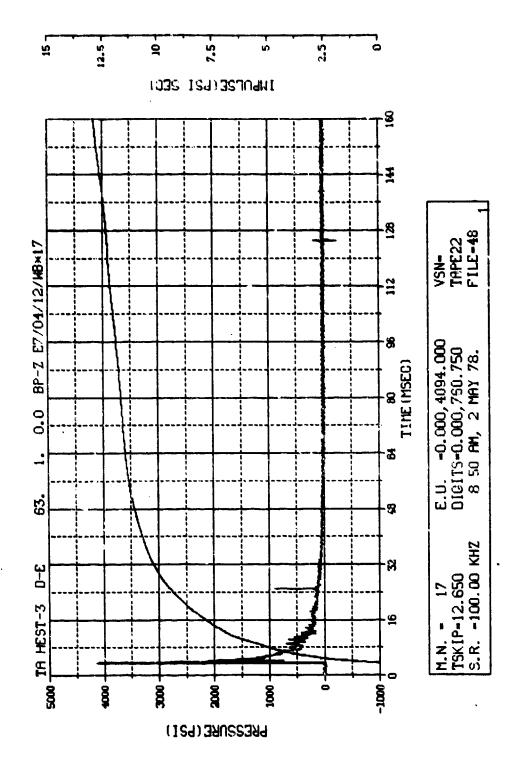


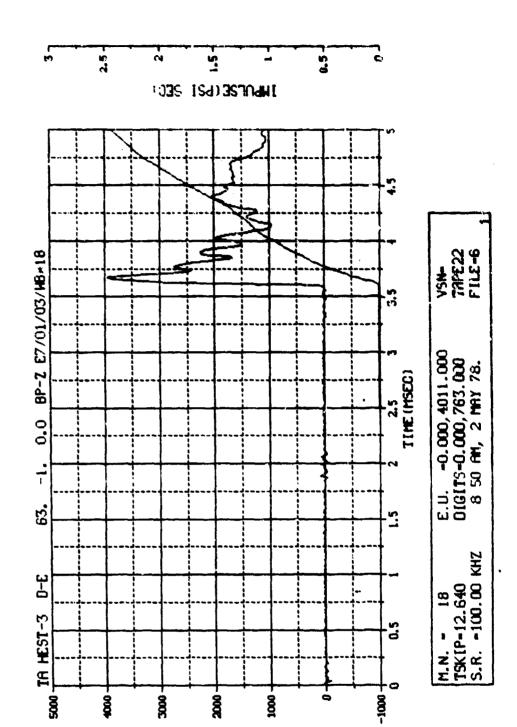




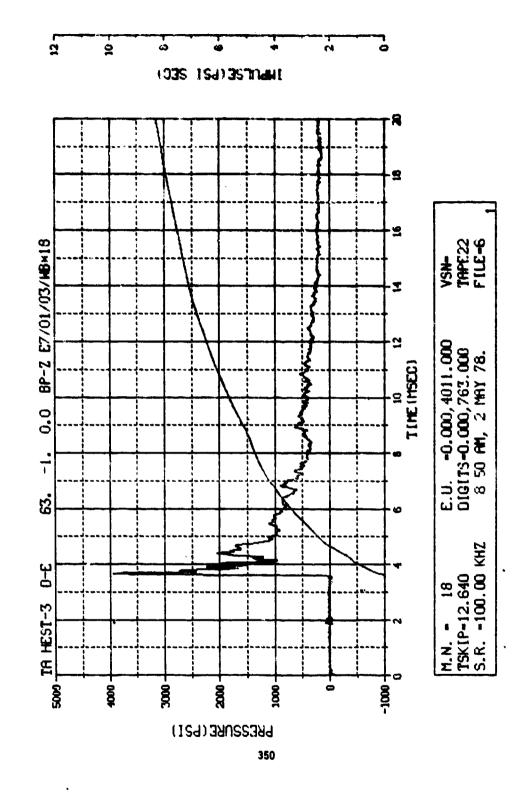


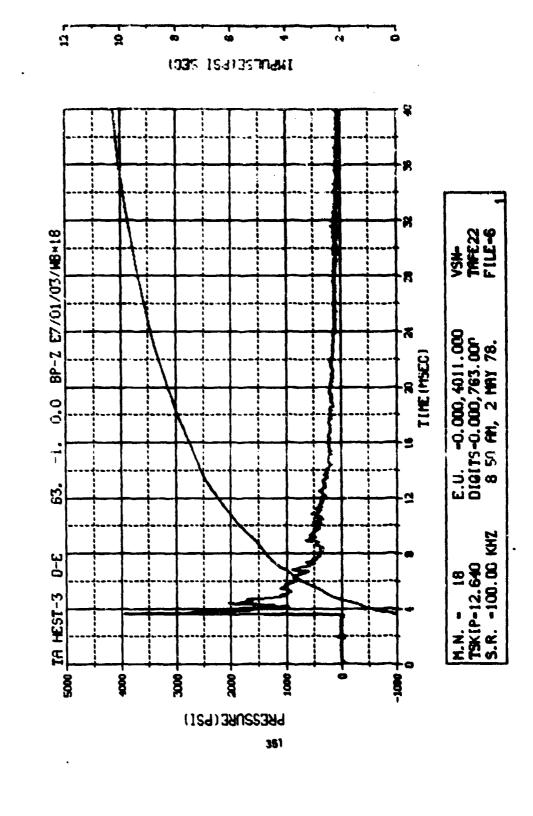


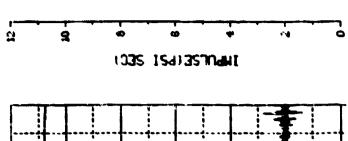


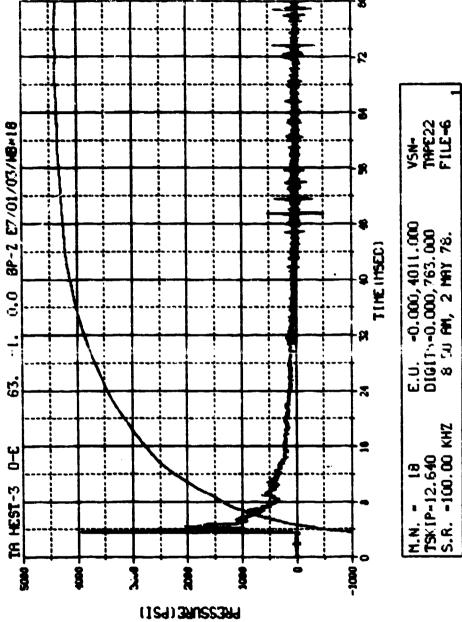


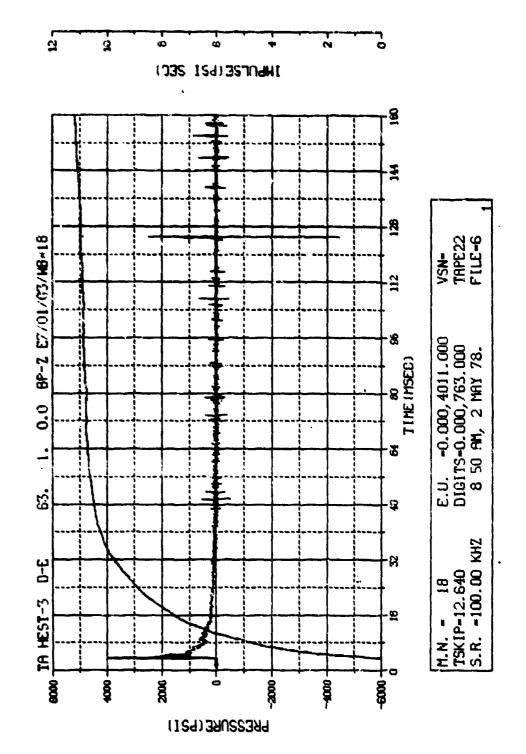
PRESSURE (PSI)

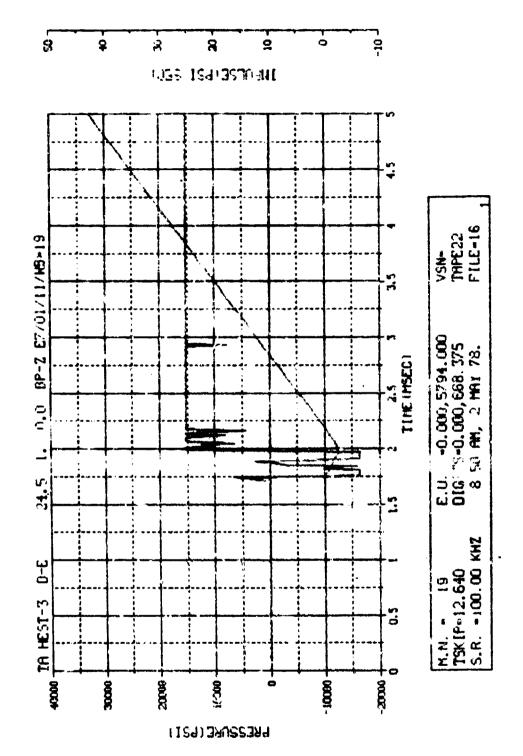


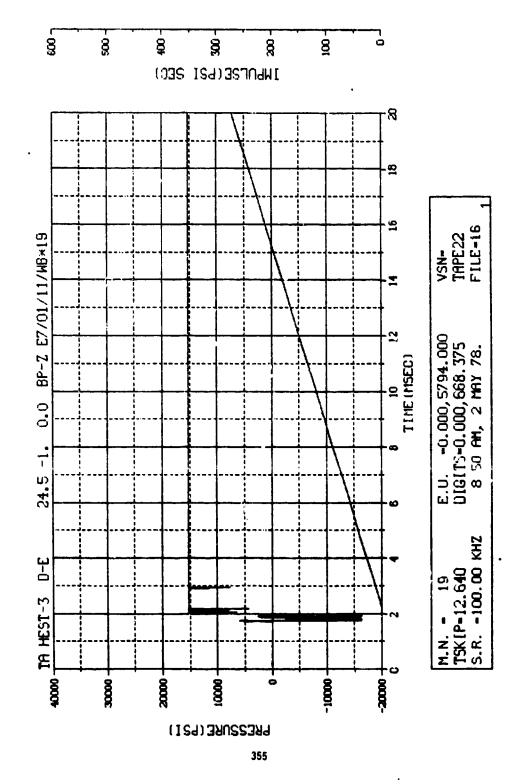


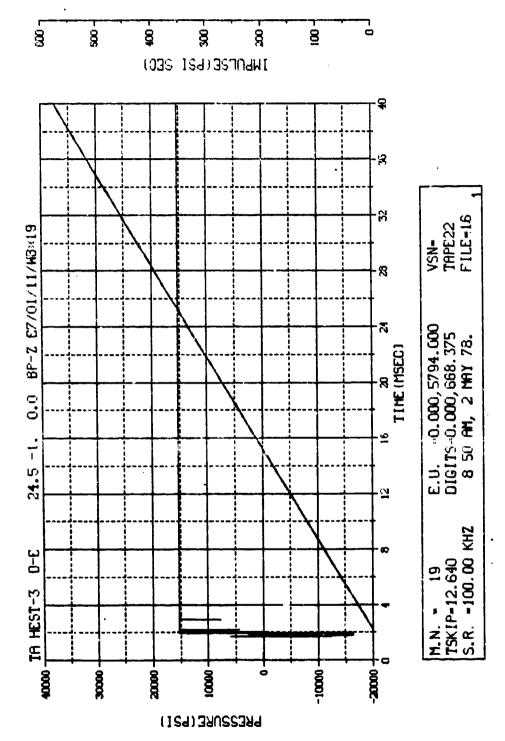


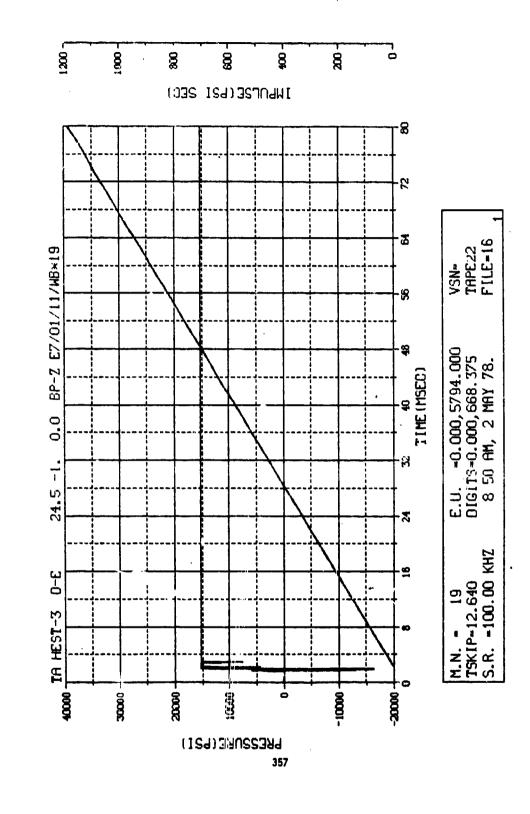


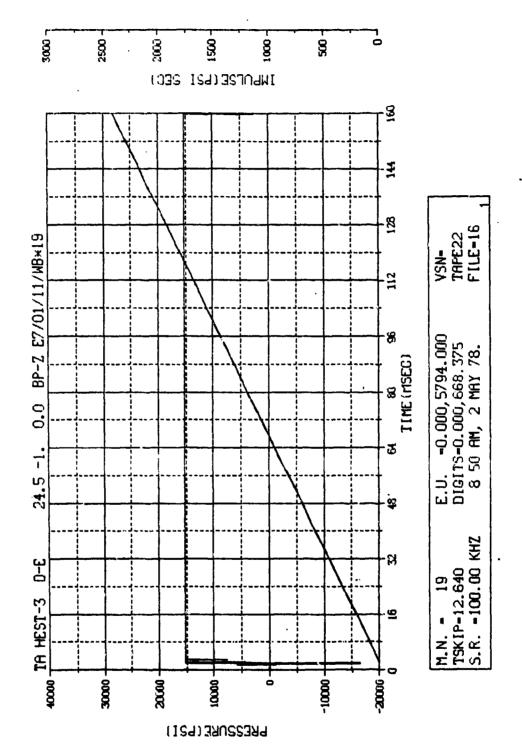


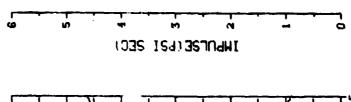


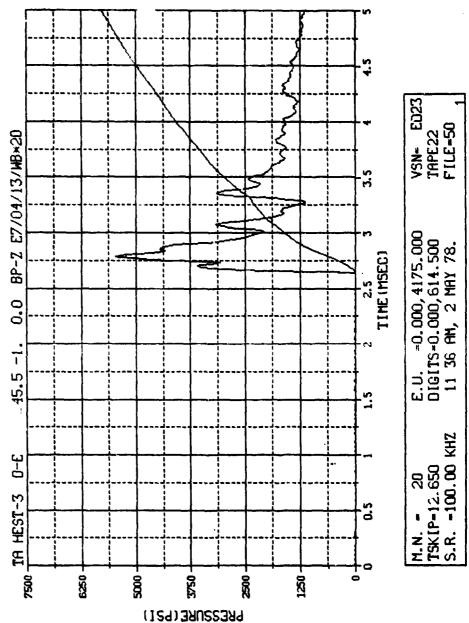


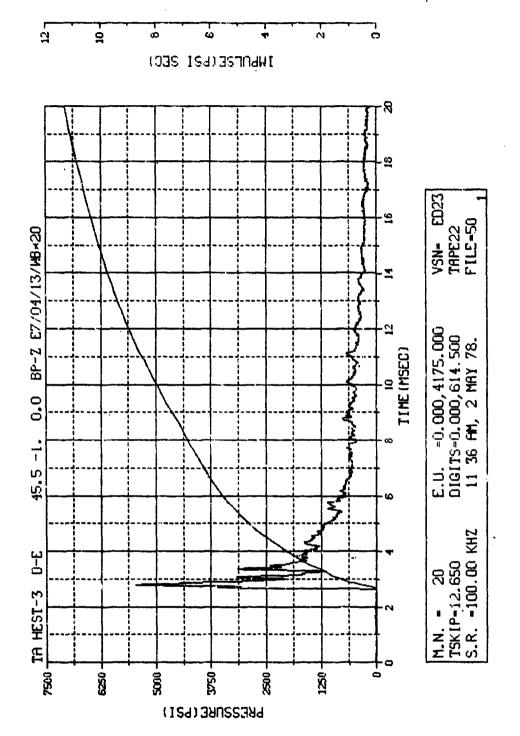


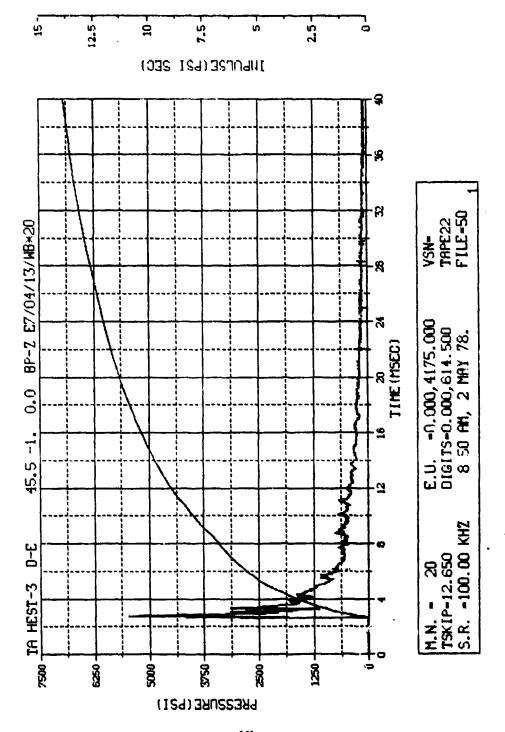


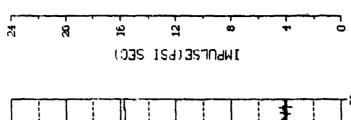


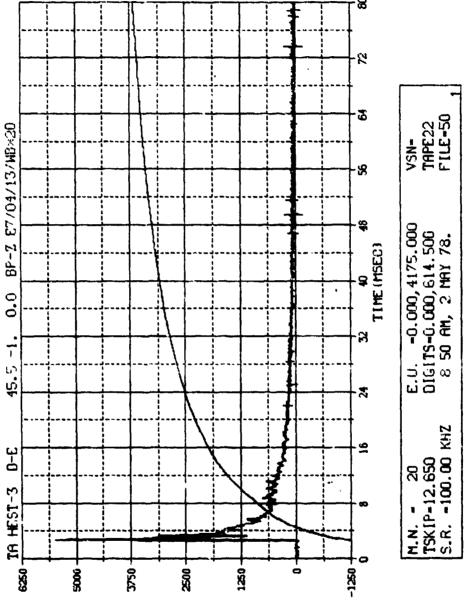












PRESSURE (PSI)

